

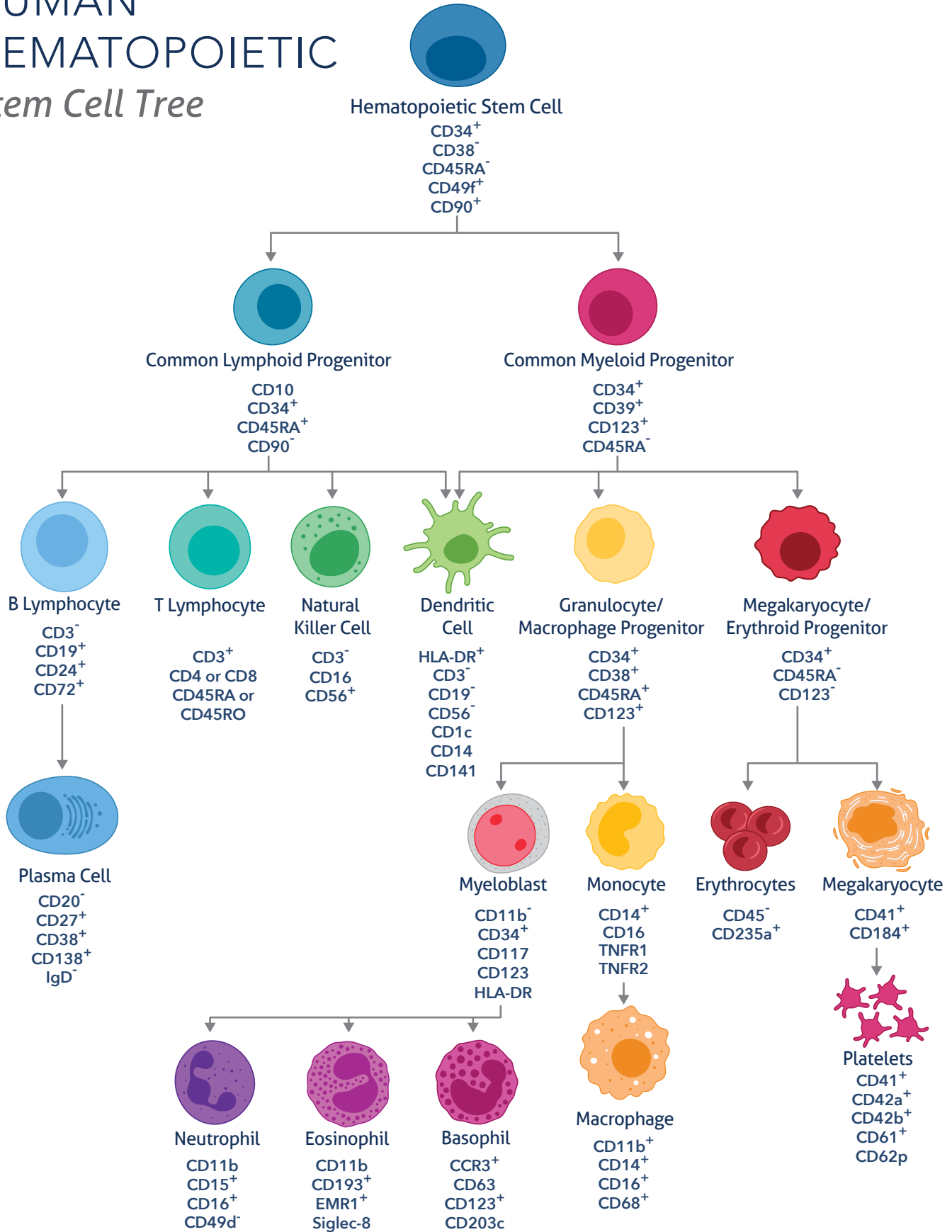
Flow Cytometry

CATALOG

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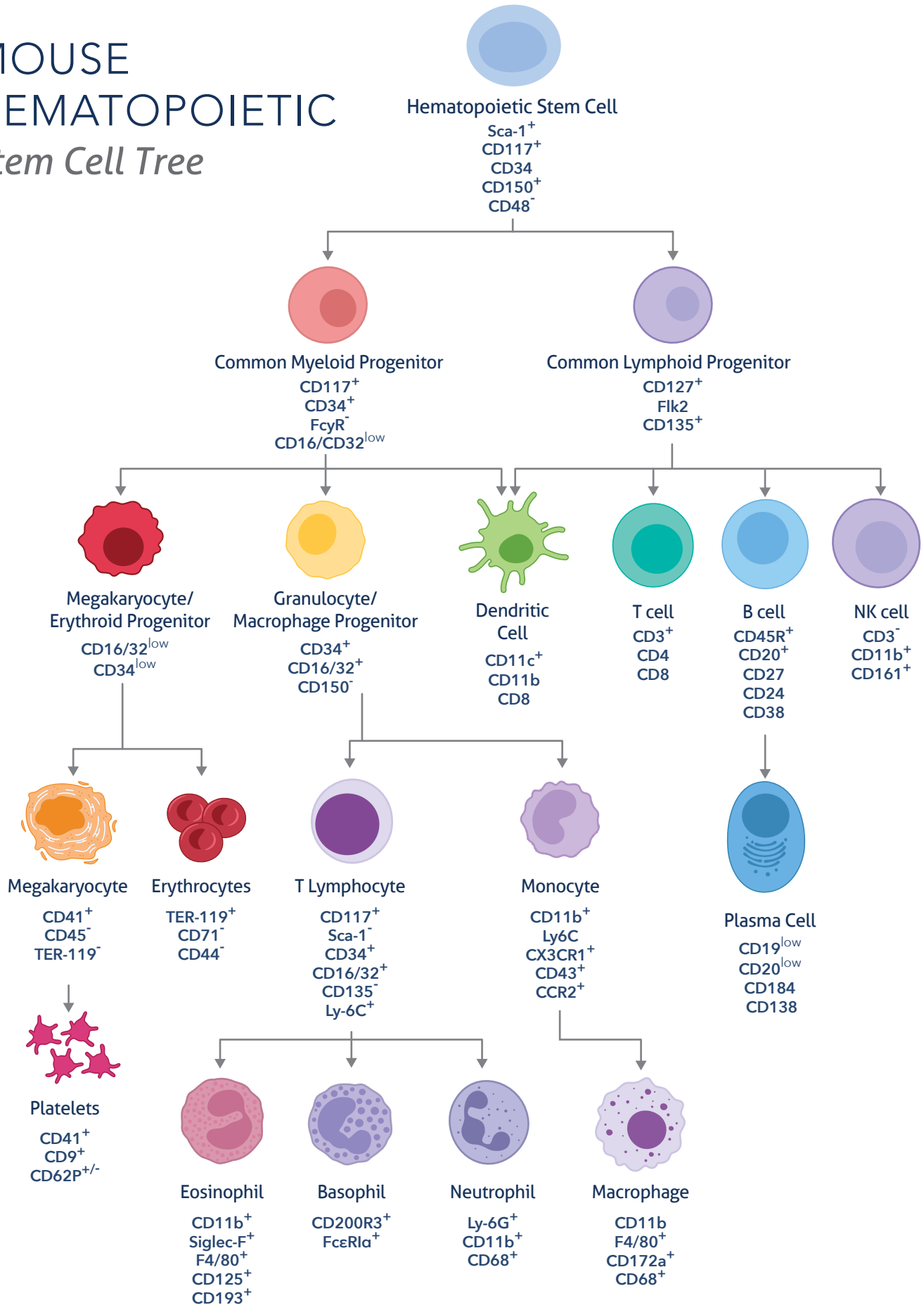
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HUMAN HEMATOPOIETIC Stem Cell Tree



All Markers listed above are expressed unless followed by a ⁻.

MOUSE HEMATOPOIETIC Stem Cell Tree



All Markers listed above are expressed unless followed by a ⁻.

PROTEINTECH

Fluorophore Guide

Laser	Fluorophore	Max Ex (nm)	Max Ex (nm)	Brightness	Similar Channel as
Violet (405nm)	CoraLite Plus 405	401	452 	1	Pacific Blue, Alexa Fluor 405, StarBright Violet 440, BV421
	Atlantic Blue	404	431 	1	
	CoraLux Violet 510	410	501 	3	BV510, StarBright Violet 515
Blue (488nm)	FITC Plus	490	525 	3	FITC, Alexa Fluor 488, BB515
	CoraLite Plus 488	488	515 	3	
	PerCP	482	675 	1	StarBright Blue 675, BB660
	PerCP-Cyanine5.5	482	695 	2	StarBright Blue 700, BB700
Yellow (561nm)	PE	565	578 	5	Alexa Fluor 534, StarBright Yellow 575, RealYellow 586
	CoraLite Plus 555	555	565 	2	
	PE-CoraLite Plus 594	565	615 	5	PE-Dazzle594
	Cardinal Red	592	611 	3	Texas Red, Alexa Fluor 568, StarBright Yellow 605, RealYellow 610
	CoraLite Plus 594	594	615 	4	
	PE-Cyanine5	565	667 	5	StarBright Yellow 665
	PE-Cyanine5.5	565	695 	4	RealYellow 703, PE-Fire 700
Red (638nm)	PE-Cyanine7	565	778 	4	StarBright Yellow 800
	APC	651	660 	4	Alexa Fluor 647
	CoraLite Plus 647	647	667 	4	
	CoraLite 700	696	719 	3	Alexa Fluor 700
	APC-Cyanine7	650	785 	2	APC-Fire 750
	CoraLite Plus 750	750	775 	3	Alexa Fluor 750

Introducing 'Able' AI

Helping you find the right product
in multiple languages.



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I'm Able



Antibodies for EXTRACELLULAR MARKERS



For more products

Fluorophore Key

Common laser	Violet (405nm)		Blue (488nm)		Yellow (561nm)				Red (638nm)		
Common filter	 450/45	 525/40	 525/40	 690/50	 585/42	 610/20	 690/50	 780/60	 660/10	 712/25	 780/60

For more information about Proteintech's fluorophore offering, see page 5

CD Markers

Cluster of differentiation (CD) markers are cell surface molecules on immune cells. These are specific to cell populations and are used in immunophenotyping by flow cytometry to detect and quantify immune cell subpopulations.

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD1a	251904D12	Human	98643		●	☆	☆	☆ ☆	☆ ☆
	CD1a	HI149	Human	65172		●	●	●	● ●	● ●
R	CD1b	251556D7	Human	98579		●	☆	☆	☆ ☆	☆ ☆
R	CD1c	252399H6	Human	98670		●	☆	☆	☆ ☆	☆ ☆
	CD1c	L161	Human	65176	✓	●	●	●	● ●	● ●
R	CD1d	1B1	Mouse	65242	✓	●	●	●	☆ ●	●
R	CD2	241222E2	Human	98134	✓	●	☆	☆	● ☆ ●	● ●
R	CD2	TS1/8	Human	65192	✓	●	●	●	● ● ●	● ●
R	CD2	241548A5	Mouse	98193	✓	●	☆	●	☆ ●	● ☆
	CD3	Hit3a	Human	65112		●	●	●	● ●	● ●
R	CD3	OKT3	Human	65133	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
	CD3	SK7	Human	65148		●	●	●	● ☆	● ●
R	CD3	SP34	Human	98319	✓	●	☆	☆ ●	☆ ● ● ●	● ●
R	CD3	UCHT1	Human	65151	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
R	CD3	17A2	Mouse	65077	✓	●	● ●	● ●	● ● ● ●	● ●
R	CD3ε	145-2C11	Mouse	65060	✓	●	● ●	● ●	● ● ● ●	● ●
R	CD3	242568D11	Rabbit	98349		●	●	●	☆ ☆ ●	☆ ☆
R	CD4	240427E12	Human	98042	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
R	CD4	OKT4	Human	65134	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
	CD4	RPA-T4	Human	65143		●	●	●	● ●	● ●
	CD4	SK3	Human	65147		●	●	●	● ● ●	● ●
R	CD4	241955C11	Mouse	98522		●	☆	☆	● ☆	☆ ☆
R	CD4	GK1.5	Mouse	65104	✓	●	● ●	● ●	● ●	● ● ● ●

R This clone is available as a recombinant antibody

☆ Fluorophore available through FlexAble antibody labeling kit (p.42)

CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD4	RM4-4	Mouse	65199	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
R	CD4	241955C11	Rat	98252	✓	●	● ●	●	● ● ● ●	● ● ● ●
R	CD4	251660F2	Guinea Pig	98642		●	☆	☆	☆ ☆	☆ ☆
R	CD4	251740A6	Pig	98668		●	☆	☆	☆ ☆	☆ ☆
R	CD4	252607H7	Sheep	98762		●	☆	☆	☆ ☆	☆ ☆
R	CD5	240428A12	Human	98054	✓	●	☆	●	● ●	● ☆
R	CD5	L17F12	Human	65200	✓	●	● ●	●	● ●	● ● ● ●
R	CD5	UCHT2	Human	65152	✓	●	●	●	● ●	● ●
R	CD5	240244A7	Mouse	98038	✓	●	●	●	● ●	● ●
R	CD6	241965C9	Human	98223	✓	●	☆	●	● ●	● ☆
R	CD6	241471F3	Mouse	98161	✓	●	☆	●	● ●	● ☆
R	CD7	242402H8	Human	98204	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
	CD7	4H9	Human	65203		●	●	●	● ●	● ●
R	CD8	SK1	Human	65146		●	● ●	● ●	● ● ● ●	● ● ● ●
R	CD8	UCHT4	Human	65204		●	● ●	● ●	● ● ● ●	● ● ● ●
R	CD8a	243018F10	Human	98470		●	☆	●	● ● ●	● ☆
	CD8a	Hit8a	Human	65113		●	●	●	● ●	● ●
R	CD8a	OKT8	Human	65135	✓	●	●	●	● ●	● ●
	CD8a	RPA-T8	Human	65144		●	●	●	● ●	● ●
R	CD8a	242879C10	Mouse	98472	✓	●	● ●	● ●	● ●	● ● ● ●
	CD8a	53-6.7	Mouse	65069		●	●	● ●	☆ ●	● ●
	CD8a	5H10-1	Mouse	65205		●	●	●	● ●	☆ ●
R	CD8a	250721G1	Rat	98484	✓	●	☆	☆	● ☆	☆ ☆
R	CD8a	OX-8	Rat	65180	✓	●	●	●	● ●	● ●
R	CD8a	251504B9	Cat	98761		●	☆	☆	☆ ☆	☆ ☆
R	CD8a	251646F4	Guinea Pig	98639		●	☆	☆	☆ ☆	☆ ☆
R	CD8b	241326A7	Human	98103	✓	●	☆	● ●	● ●	● ☆
R	CD8b	250480F2	Mouse	98461		●	☆	☆	☆ ☆	☆ ☆
R	CD8b	251567C4	Guinea Pig	98585		●	☆	☆	☆ ☆	☆ ☆
R	CD8b	251664G7	Pig	98700		●	☆	☆	☆ ☆	☆ ☆
R	CD9	240830E6	Human	98095	✓	●	●	● ●	● ●	● ●
R	CD9	242432C7	Mouse	98270		●	☆	●	☆ ●	● ☆
R	CD10 (Neprilysin)	241322E1	Human	98116		●	☆	☆	☆ ☆	☆ ☆
R	CD11a	TS2/4	Human	65194	✓	●	●	● ●	● ● ● ●	● ●
R	CD11a	M17/4	Mouse	65177	✓	●	● ●	●	● ●	● ●
R	CD11b	ICRF44	Human	65116	✓	●	●	●	● ● ● ●	● ●
R	CD11b	M1/70	Human, Mouse	65055	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
R	CD11b	OX42	Rat	65229	✓	●	●	● ●	● ● ● ●	● ●

CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD11b	252750D6	Mouse	98772		●	☆	☆	☆ ☆	☆ ☆
R	CD11c	3.9	Human	65086	✓	●	●	●	● ●	● ●
R	CD11c	BU15	Human	65196	✓	●	●	●	● ●	● ●
R	CD11c	N418	Mouse	65130		●	●	●	● ●	● ☆
R	CD13	251501H7	Human	98577		●	☆	☆	☆ ☆	☆ ☆
R	CD13	WM15	Human, Primates	65186		●	●	●	● ●	● ●
R	CD14	230332D7	Human	98040	✓	●	● ●	● ●	● ● ●	● ● ●
R	CD14	26IC	Human	65246	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
	CD14	UCHM-1	Human	65056		●	●	●	● ●	● ●
R	CD14	240225C2	Mouse	98020	✓	●	●	●	☆ ●	● ☆
R	CD14	251673C4	Sheep	98648		●	☆	☆	☆ ☆	☆ ☆
R	CD14	251781F7	Canine	98649		●	☆	☆	☆ ☆	☆ ☆
R	CD15	252342A1	Human	98616	✓	●	☆	☆	☆ ☆	☆ ●
R	CD16	242426C2	Human	98387	✓	●	☆	☆	● ●	☆ ☆
R	CD16	3G8	Human	65090	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
	CD16/CD32	93	Mouse	65057		●	●	●	● ●	● ●
	CD16/CD32	2.4G2	Mouse	65080		●	☆	●	☆ ☆	● ☆
R	CD16a	242426G11	Human	98293	✓	●	☆	●	☆ ●	● ☆
R	CD16b	241713E3	Human	98192		●	☆	☆	● ●	● ☆
R	CD18	260057A1	Human	98790		●	☆	☆	☆ ☆	☆ ☆
R	CD18	TS1/18	Human	65190	✓	●	●	●	● ● ●	● ●
R	CD18	M18/2	Mouse	65178		●	● ●	●	☆ ●	● ●
R	CD19	250499A2	Human	98560	✓	●	☆	●	● ☆	☆ ●
R	CD19	4G7	Human	65197	✓	●	● ●	●	● ● ● ●	● ● ● ●
	CD19	HIB19	Human	65110		●	●	●	● ●	● ●
R	CD19	242301C6	Mouse	98287	✓	●	☆	●	● ● ● ●	● ● ●
R	CD19	1D3	Mouse	65290		●	●	●	●	●
R	CD19	242570A11	Rabbit	98351		●	☆	☆	☆ ☆	☆ ☆
R	CD19	252413E3	Pig	98714		●	☆	☆	☆ ☆	☆ ☆
R	CD20	253584A1	Human	98771		●	☆	☆	☆ ☆	☆ ☆
R	CD20	2H7	Human	65085	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
R	CD21	252181G2	Human	98664		●	☆	☆	☆ ☆	☆ ☆
R	CD21	BU32	Human	65198	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
R	CD22	241315A1	Human	98092		●	●	●	☆ ●	● ●
R	CD22	241315A1	Mouse	98485		●	☆	☆	☆ ☆	☆ ☆
R	CD23	241270C6	Human	98088	✓	●	●	●	● ●	● ●
R	CD23	241385D1	Mouse	98164		●	☆	●	☆ ☆	● ☆
R	CD24	251208G3	Human	98615		●	☆	☆	☆ ☆	☆ ☆

R This clone is available as a recombinant antibody

☆ Fluorophore available through FlexAble antibody labeling kit (p.42)

CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD24	241691D7	Mouse	98176	✓	●	●	●	● ●	● ●
	CD24	M1/69	Mouse	65121		●		●	★ ●	★ ●
R	CD25 (IL-2Rα)	240906E11	Human	98469		●	●	★	★ ●	★ ★
	CD25	BC96	Human	65096		●	●	●	● ●	● ●
R	CD25	242494H5	Mouse	98288	✓	●	● ●	●	● ●	● ● ●
	CD25	PC61.5	Mouse	65137		●		●	● ●	● ●
R	CD26	242045C1	Human	98261	✓	●	★	●	● ●	● ★
	CD26	BA5b	Human	65267		●	●	●	● ●	● ●
R	CD26	242823A9	Mouse	98356	✓	●	★	★	● ★	★ ★
R	CD27	242731G8	Human	98346	✓	●	★	●	● ● ●	● ●
	CD27	O323	Human	65132		●	●	●	● ●	★ ●
R	CD27	241378E11	Mouse	98160	✓	●	●	● ●	● ●	● ● ●
R	CD27	250403B10	Rabbit	98309		●	★	★	★ ★	★ ★
R	CD28	240354D2	Human	98032	✓	●	★	●	● ●	★ ●
	CD28	CD28.2	Human	65099	✓	●	●	●	● ●	● ★
R	CD28	241707H6	Mouse	98195	✓	●	★	★	● ●	● ★
R	CD28H (TMIGD2)	241807A5	Human	98263		●	★	★	★ ★	★ ★
R	CD29 (ITGB1)	241685C10	Human	98188	✓	●	★	● ●	● ●	● ★
R	CD29	TS2/16	Human	65191	✓	●	●	●	● ●	● ●
R	CD30 (TNFRSF8)	241330A12	Human	98124	✓	●	★	●	● ●	● ★
R	CD30	241710B4	Mouse	98209		●	★	★	★ ★	★ ★
R	CD30L	241831D9	Human	98253		●	★	★	★ ★	★ ★
R	CD30L	241012G10	Mouse	98113		●	★	●	● ●	● ★
R	CD31	251101E6	Human	98533		●	★	★	★ ★	★ ★
R	CD31	WM-59	Human	65268	✓	●	●	●	● ●	● ●
R	CD31	242041B5	Mouse	98258	✓	●	★	●	● ●	● ●
	CD31	390	Mouse	65058		●		●	● ●	●
R	CD31	250372H6	Rat	98457		●	★	★	★ ★	★ ★
R	CD32	251087D9	Human	98601		●	★	★	★ ★	★ ★
R	CD33	241711C12	Human	98184	✓	●	★	●	● ●	● ★
	CD33	WM53	Human	65272		●	●	●	● ●	● ●
R	CD34	242069A6	Human	98145	✓	●	●	● ●	● ● ●	● ●
R	CD34	240659B11	Mouse	98069	✓	●	★	●	● ●	● ★
R	CD35	E11	Human	65254	✓	●	●	●	● ●	● ●
R	CD36	241262D5	Human	98132	✓	●	★	★	● ★	● ★
	CD36	SMΦ	Human	65248		●		●	●	● ●
R	CD36	242662C12	Mouse	98350	✓	●	★	★	★ ★	★ ★
R	CD36	250237C10	Rat	98514		●	★	★	★ ★	★ ★
R	CD37	242011D6	Human	98222	✓	●	★	★	★ ★	★ ★

CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD37	250262E4	Mouse	98443		●	☆	☆	☆ ☆	☆ ☆
R	CD38	241246F9	Human	98148	✓	●	●	●	● ● ● ●	● ●
	CD38	HIT2	Human	65111		●	●	●	● ●	● ●
R	CD38	250107D11	Mouse	98433		●	●	●	☆ ●	● ☆
	CD38	90	Mouse	65059		●	●	●	● ●	● ●
R	CD38	250406C8	Rabbit	98306		●	☆	☆	☆ ☆	☆ ☆
R	CD39	241292G7	Human	98102	✓	●	●	●	● ●	● ●
R	CD40	241760A9	Human	98191		●	☆	☆	☆ ●	● ☆
	CD40	G28.5	Human	65103		●	☆	●	☆ ☆	● ☆
R	CD40	240874G8	Mouse	98122	✓	●	☆	●	● ●	● ☆
	CD41	MWReg30	Mouse	65189		●	●	●	● ●	● ●
R	CD41/CD61	253571A1	Human	98765		●	☆	☆	☆ ☆	☆ ☆
	CD41a	HIP8	Human, Primates	65173	✓	●	●	●	● ●	● ●
R	CD42b	AK2	Human	65163	✓	●	● ●	●	● ●	● ● ●
R	CD43	W3/13	Rat	65237	✓	●	●	●	● ●	● ●
R	CD43	251932G11	Rat	98636		●	☆	☆	☆ ☆	☆ ☆
R	CD44	242345G9	Human	98333	✓	●	☆	●	● ●	● ☆
R	CD44	F10-44-2	Human	65063	✓	●	●	●	● ●	● ●
	CD44	IM7	Human, Mouse	65117		●		●	● ●	● ●
R	CD44	242666F8	Mouse	98359	✓	●	☆ ●	●	☆ ●	● ☆
R	CD44	241648F8	Rat	98208	✓	●	☆	☆	☆ ☆	☆ ☆
R	CD45	241670E10	Human	98117	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
	CD45	HI30	Human	65109		●	●	● ●	● ●	● ●
R	CD45	240356D1	Mouse	98035	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
	CD45	30-F11	Mouse	65087		●	●	●	● ●	●
R	CD45	252198H7	Rat	98651		●	☆	☆	☆ ☆	☆ ☆
	CD45	OX1	Rat	65228		●	●	●	● ●	● ●
R	CD45.2	240922E12	Mouse	98168	✓	●	●	●	● ●	● ●
	CD45.2	104	Mouse	65072		●	☆	●	● ●	● ☆
	CD45R (B220)	RA3-6B2	Human, Mouse	65139		●	●	●	● ●	● ●
R	CD45RA	F8-11-13	Human	65590	✓	●	● ●	●	● ● ●	● ● ● ●
	CD45RA	HI100	Human	65108		●	●	● ●	● ●	● ●
R	CD45RA	OX-33	Rat	65234	✓	●	☆	●	● ● ●	● ●
R	CD45RB/RAB	242918F3	Human	98531		●	☆	☆	☆ ☆	☆ ☆
R	CD45RO	UCHL1	Human	65613	✓	●	●	● ●	● ●	● ●
R	CD46	241764C9	Human	98240		●	☆	☆ ●	☆ ☆	☆ ☆
R	CD47	240997D8	Human	98131	✓	●	●	●	● ●	● ●

R This clone is available as a recombinant antibody

☆ Fluorophore available through FlexAble antibody labeling kit (p.42)

CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD47	242850C4	Mouse	98456	✓	●	☆	●	● ☆	● ☆
R	CD48	241389F8	Human	98170	✓	●	☆	☆	● ☆	● ☆
R	CD48	240732A5	Mouse	98081		●	☆	●	☆ ●	● ☆
	CD48	HM48-1	Mouse	65227		●	●	●	● ●	● ●
R	CD49a (ITGA1)	251984B7	Human	98675		●	☆	☆	☆ ☆	☆ ☆
R	CD49b (ITGA2)	AK7	Human	65252		●	● ●	●	● ●	● ● ●
R	CD49e (ITGA5)	241685D4	Human	98171	✓	●	☆	●	● ☆	● ☆
R	CD49f (ITGA6)	241703B5	Human	98257	✓	●	☆	●	☆ ●	● ☆
R	CD50 (ICAM-3)	241418E8	Human	98097	✓	●	●	●	● ●	● ☆
R	CD52	253542A1	Human	98750		●	☆	☆	☆ ☆	☆ ☆
R	CD53	250105D10	Mouse	98436		●	☆	☆	☆ ☆	☆ ☆
R	CD54 (ICAM-1)	15.2	Human	65075	✓	●	●	●	● ●	● ●
R	CD54	240646A11	Human	98011	✓	●	☆	●	● ●	● ●
R	CD54	240249D10	Mouse	98049	✓	●	●	●	● ☆	● ●
R	CD54	240725C2	Rat	98060	✓	●	☆	●	● ●	● ☆
R	CD55	250682C11	Human	98493		●	☆	●	☆ ☆	☆ ☆
	CD55	JS11	Human	65271		●	☆	●	● ●	● ●
R	CD55	241808D11	Mouse	98228	✓	●	☆	●	● ●	● ☆
R	CD56 (NCAM1)	240078A7	Human	98033	✓	●	● ●	●	● ● ● ●	● ● ● ●
	CD56	B-A19	Human	65264		●	●	●	● ●	☆ ●
R	CD56	240936A4	Mouse	98118	✓	●	☆	●	● ●	● ☆
R	CD58	250250H5	Human	98452		●	☆	☆	☆ ☆	☆ ☆
R	CD58	TS2/9	Human	65193	✓	●	●	●	● ☆	● ●
R	CD59	241311A4	Human	98099	✓	●	☆	●	● ●	● ☆
R	CD62E (E-selectin)	241767H6	Human	98189		●	☆	●	☆ ●	● ☆
R	CD62E	240700D4	Mouse	98065	✓	●	☆	●	● ●	● ☆
R	CD62L (L-selectin)	250646C7	Human	98459		●	☆	☆	● ☆	☆ ☆
	CD62L	DREG56	Human	65167		●	●	● ●	● ●	● ●
R	CD62L	250271C5	Mouse	98441		●	☆	☆	☆ ●	● ☆
	CD62L	MEL14	Mouse	65219		●	●	●	● ☆	● ●
R	CD62P	AK4	Human, Primates	65164	✓	●	● ●	●	● ●	● ● ● ●
R	CD62P	240766F5	Mouse	98302		●	☆	●	☆ ☆	☆ ☆
R	CD63	241964E1	Human	98318		●	☆	●	● ●	● ☆
	CD63	H5C6	Human	65295		●	☆	☆	☆ ☆	☆ ☆
R	CD64	253541A1	Human	98751		●	☆	☆	☆ ☆	☆ ☆
R	CD64	10.1	Human	65572	✓	●	● ●	● ●	● ● ● ●	● ● ● ●
R	CD64	241809A6	Mouse	98218	✓	●	☆	●	☆ ●	● ☆
R	CD66a (CEACAM1)	241856H5	Mouse	98185		●	☆	●	☆ ●	● ☆

CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD66a/c/d	240497E12	Human	98061	✓	●	☆	☆	● ☆	● ☆
R	CD66b	242954D11	Human	98507	✓	●	☆	☆	☆ ☆	☆ ☆
R	CD66b/e	230353B7	Human	98012	✓	●	●	●	● ●	● ●
R	CD66c (CEACAM6)	241997G1	Human	98329		●	☆	●	☆ ●	● ☆
R	CD66c/d	241254D1	Human	98169	✓	●	☆	☆	● ☆	● ☆
R	CD68 (Intracellular)	241810G1	Human	98242		●	● ●	●	☆ ●	● ● ●
R	CD68 (Intracellular)	KP1	Human	65202	✓	●	● ●	●	● ●	● ● ●
	CD68 (Intracellular)	Y1/82A	Human	65187			●		● ●	● ●
R	CD68 (Intracellular)	230504G5	Mouse	98029	✓	●	●	●	● ●	● ●
R	CD69	241552F1	Human	98173	✓	●	● ●	●	● ●	● ● ●
R	CD69	250269C11	Mouse	98440		●	☆	☆	☆ ☆	● ☆
	CD69	H1.2F3	Mouse	65105		●	●	●	● ●	● ●
R	CD70	241325D8	Human	98098	✓	●	☆	●	● ●	● ☆
R	CD70	241553F2	Mouse	98212	✓	●	☆	☆	● ☆	● ☆
R	CD71	250738D9	Human	98520		●	☆	☆	☆ ☆	☆ ☆
R	CD71	OKT9	Human	65235	✓	●	● ●	●	● ●	● ● ●
R	CD71	242122F6	Mouse	98272	✓	●	☆	☆	☆ ☆	☆ ☆
R	CD71	RI7217	Mouse	65289		●		●	☆ ●	●
R	CD72	241300C1	Human	98090	✓	●	☆	●	●	● ☆
R	CD72	242846D10	Mouse	98354		●	☆	☆	☆ ☆	☆ ☆
R	CD73 (NT5E)	251250H3	Human	98566		●	☆	☆	☆ ☆	☆ ☆
R	CD73	AD2	Human	65162	✓	●	●	● ●	● ● ●	● ●
R	CD73	241541G9	Mouse	98199	✓	●	☆	●	● ●	● ☆
R	CD74	250520C1	Human	98478	✓	●	☆	☆	☆ ☆	☆ ☆
R	CD74	250109G4	Mouse	98425	✓	●	☆	☆	☆ ☆	☆ ☆
R	CD79a	241299F3	Human	98072	✓	●	☆	☆	● ●	● ●
R	CD79a	HM57	Human	65610	✓	●	☆	☆	● ●	● ☆
R	CD79a	241231F7	Mouse	98129	✓	●	☆	☆	☆ ●	● ☆
R	CD79b	241273B7	Human	98075	✓	●	☆	●	● ● ●	● ☆
R	CD79b	241850D10	Mouse	98217	✓	●	☆	●	● ●	● ☆
R	CD80	241371E12	Mouse	98158	✓	●	●	●	● ● ● ●	● ☆
R	CD80 (B7-1)	242913B11	Human	98384	✓	●	☆	●	● ●	● ☆
	CD80	16-10A1	Mouse	65076		●		●	●	● ●
R	CD80	250725G5	Rat	98572		●	☆	☆	☆ ☆	☆ ☆
R	CD80	3H5	Rat	65217	✓	●	●	●	☆ ☆	● ☆
R	CD81	241722G4	Human	98202	✓	●	☆	●	● ●	● ☆
R	CD81	5A6	Human	65644	✓	●	●	●	● ●	● ●
R	CD81	EAT2	Mouse	65220		●		●	● ●	● ●

R This clone is available as a recombinant antibody

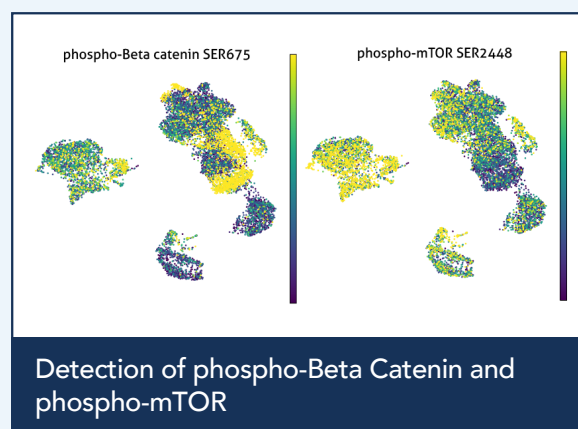
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R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD82	241765F7	Human	98278		●	☆	☆	☆ ☆	☆ ☆
R	CD83	HB15e	Human	65581	✓	●	☆	●	● ● ●	● ●
R	CD83	241002B7	Mouse	98119	✓	●	☆	●	● ● ●	● ☆
R	CD84	241345A3	Human	98108	✓	●	☆	☆	● ☆	● ☆
R	CD84	240903B8	Mouse	98076		●	☆	●	☆ ●	● ☆
R	CD85a (LILRB3)	241894C10	Human	98237	✓	●	☆	●	● ●	● ●
R	CD85b (LILRA6)	250333G1	Human	98479		●	☆	☆	☆ ☆	☆ ☆
R	CD85d (LILRB2)	250299A6	Human	98488		●	☆	☆	☆ ☆	☆ ☆
R	CD85f (LILRA5)	250298G11	Human	98477	✓	●	☆	●	● ● ● ●	● ●
R	CD85h (LILRA2)	250334G1	Human	98607		●	☆	☆	☆ ☆	☆ ☆
R	CD85j (LILRB1)	250502H2	Human	98471		●	☆	☆	☆ ☆	☆ ☆
R	CD85j	GHI/75	Human	65238	✓	●	☆	●	● ●	● ☆
R	CD85k (LILRB4)	250356B3	Human	98486		●	☆	☆	☆ ☆	☆ ☆
R	CD86	240429C6	Human	98043	✓	●	●	●	● ●	● ●

CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD86	BU63	Human	65165	✓	●	●	●	● ●	● ●
R	CD86	230476B8	Mouse	98025	✓	●	●	●	● ● ●	● ●
R	CD86	GL1	Mouse	65673	✓			●	●	●
	CD86	24F	Rat	65224	✓	●	☆	●	☆ ●	☆ ●
R	CD87 (uPAR)	240366G10	Human	98048	✓	●	●	●	● ●	● ●
R	CD88 (C5AR1)	241712D4	Human	98226	✓	●	☆	☆	● ☆	● ☆
R	CD89	241426E3	Human	98105	✓	●	☆	☆	● ☆	● ☆
R	CD90	241290B2	Human	98126	✓	●	●	●	● ●	● ●
R	CD90	241388F3	Rat	98162	✓	●	☆	●	● ●	● ☆
R	CD90.2	30-H12	Mouse	65088	✓	●	●	● ●	● ●	● ●
R	CD91 (LRP1)	5A6	Human	65233	✓	●	●	●	● ● ●	● ●
R	CD93	242464E6	Human	98337	✓	●	☆	●	● ●	● ☆
R	CD93	250526G11	Mouse	98496	✓	●	☆	☆	☆ ☆	☆ ☆
R	CD94	241704E11	Human	98172	✓	●	☆	☆	● ●	● ☆
R	CD94	18D3	Mouse	65240		●	●	●	● ●	● ●
R	CD95 (Fas)	240340E11	Human	98034	✓	●	●	●	☆ ●	● ●
R	CD95	241229C11	Mouse	98135	✓	●	☆	●	● ●	● ☆
R	CD96	242964G12	Human	98386	✓	●	☆	☆	● ☆	☆ ☆
	CD96	NK92.39	Human	65250		●	☆	●	● ●	● ☆
R	CD97	241335D8	Human	98094	✓	●	☆	●	● ●	● ☆
R	CD98 (SLC3A2)	241755D6	Human	98190		●	☆	☆	☆ ☆	☆ ☆
R	CD98	241247F1	Mouse	98128	✓	●	☆	●	● ●	● ☆
R	CD99	241737H1	Human	98174	✓	●	☆	●	● ●	● ☆
R	CD100	242691F8	Human	98345	✓	●	☆	☆	● ☆	☆ ☆
R	CD101 (IGSF2)	250504D4	Human	98494	✓	●	☆	☆	☆ ☆	☆ ☆
R	CD101	250569E6	Mouse	98596	✓	●	☆	☆	☆ ☆	☆ ☆
R	CD102 (ICAM-2)	242237F8	Human	98367	✓	●	☆	●	● ●	● ☆
R	CD103	252752B3	Mouse	98764		●	☆	☆	☆ ☆	☆ ☆
R	CD103	2E7	Mouse	65047		●	●	●	● ●	● ●
R	CD105 (Endoglin)	241196D9	Human	98013	✓	●	☆	☆	● ☆	● ☆
R	CD105	242305E7	Mouse	98290	✓	●	☆	●	● ●	● ☆
R	CD106 (VCAM-1)	241283G8	Human	98079		●	☆	☆	☆ ☆	☆ ☆
R	CD106	240597C2	Mouse	98059	✓	●	☆	●	● ●	● ☆
R	CD107a (LAMP1)	242116E8	Human	98266		●	☆	●	☆ ●	● ☆
R	CD107a	H4A3	Human	65051		●	●	●	● ●	● ●
R	CD107a	250972H5	Mouse	98537		●	☆	☆	● ☆	☆ ☆
	CD107a	1D4B	Mouse	65050		●	●	●	☆ ●	● ☆
R	CD107b (LAMP2)	H4B4	Human	65053	✓	●	●	●	● ● ●	● ●

R This clone is available as a recombinant antibody

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CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD107b	241893A5	Mouse	98315		●	☆	☆	☆ ☆	☆ ☆
	CD107b	ABL-93	Mouse	65052		●		●	☆ ●	●
R	CD108 (SEMA7A)	241814B12	Human	98324		●	☆	☆	☆ ☆	☆ ☆
R	CD112 (Nectin-2)	241725D3	Human	98283	✓	●	☆	●	● ●	● ☆
R	CD112	241798A11	Mouse	98231	✓	●	☆	●	● ●	● ☆
R	CD114 (G-CSFR)	250343C6	Mouse	98503		●	☆	☆	☆ ☆	☆ ☆
R	CD115 (c-fms)	250001D7	Human	98379		●	☆	☆	☆ ☆	☆ ☆
R	CD115	242213B1	Mouse	98334		●	☆	●	☆ ●	● ☆
	CD115	AFS98	Mouse	65095		●		☆	☆	●
R	CD116 (GM-CSFR)	241266B11	Human	98066	✓	●	●	● ●	● ● ●	● ●
R	CD116	241889A5	Mouse	98196	✓	●	☆	●	☆ ●	● ☆
R	CD117 (c-Kit)	241313C5	Human	98377		●	☆	●	● ●	● ☆
R	CD117	240246C11	Mouse	98041	✓	●	☆	●	● ●	● ☆
	CD117	2B8	Mouse	65054		●		●	●	●
R	CD118 (LIFR)	250110B3	Human	98432		●	☆	☆	☆ ☆	☆ ☆
R	CD119 (IFNGR1)	242632A8	Human	98343	✓	●	☆	☆	☆ ☆	☆ ☆
	CD119	GIR-208	Human	65294		●	☆	☆	☆ ☆	☆ ☆
R	CD119	241832H4	Mouse	98201		●	☆	☆	☆ ☆	☆ ☆
R	CD120a (TNFR1)	241337H6	Human	98085	✓	●	☆	☆	● ☆	● ☆
R	CD120a	250007H7	Mouse	98498		●	☆	☆	☆ ☆	☆ ☆
R	CD120b	230328B6	Human	98010		●	☆	●	☆ ☆	☆ ☆
R	CD120b	240200D4	Mouse	98021		●	☆	●	☆ ●	☆ ☆
R	CD121a (IL-1R1)	242245A10	Human	98282		●	☆	☆	☆ ☆	☆ ☆
R	CD121b (IL-1R2)	242602C1	Mouse	98347	✓	●	☆	☆	● ☆	● ☆
R	CD122 (IL-2RB)	241677H7	Human	98151	✓	●	☆	☆	● ☆	☆ ☆
R	CD123 (IL-3RA)	241268E3	Human	98107	✓	●	●	●	● ●	● ●
	CD123	HI12H7	Human	65256		●	☆	●	● ☆	● ●
R	CD123	252425E12	Mouse	98687		●	☆	☆	☆ ☆	☆ ☆
R	CD124 (IL-4RA)	241824D8	Human	98203	✓	●	☆	☆	● ☆	☆ ☆
R	CD124	242262F10	Mouse	98276		●	☆	☆	☆ ☆	☆ ☆
R	CD125 (IL-5RA)	242234C8	Human	98338		●	☆	☆	☆ ☆	☆ ☆
R	CD126 (IL-6R)	240734A7	Human	98057	✓	●	☆	●	● ●	● ☆
R	CD126	230371A7	Mouse	98024	✓	●	☆	●	● ●	● ☆
R	CD127 (IL-7RA)	240749H2	Human	98074	✓	●	☆	●	● ●	● ☆
R	CD127	242852B4	Mouse	98385	✓	●	☆	☆	☆ ☆	● ☆
	CD127	A7R34	Mouse	65093		●		●	☆	●
R	CD130 (IL-6ST)	242292C9	Human	98121	✓	●	☆	☆	☆ ☆	☆ ☆
R	CD130	242236B6	Mouse	98275	✓	●	☆	☆	☆ ☆	☆ ☆

CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD131 (IL-3RB)	241823B12	Human	98336		●	☆	☆	☆ ☆	☆ ☆
R	CD131	241954C1	Mouse	98232	✓	●	☆	●	☆ ●	● ☆
R	CD132 (IL-2RG)	242020H6	Human	98234		●	☆	☆	☆ ☆	☆ ☆
R	CD134 (OX40)	241398G7	Human	98181	✓	●	☆	●	● ●	● ●
R	CD134	242901A7	Mouse	98409		●	☆	☆	☆ ☆	☆ ☆
R	CD134	OX-86	Mouse	65136	✓	●		●	● ●	●
R	CD135 (FLT3)	241414F8	Human	98106	✓	●	☆	☆	● ☆	● ☆
R	CD136 (Mst1r)	250364F1	Mouse	98587		●	☆	☆	☆ ☆	☆ ☆
R	CD137 (TNFRSF9)	241344F3	Human	98112		●	☆	●	● ●	● ☆
R	CD137	241647E11	Mouse	98182	✓	●	☆	●	● ●	● ☆
R	CD138 (Syndecan-1)	240422C4	Human	98051	✓	●	☆	●	● ●	● ☆
R	CD138	241278C7	Mouse	98152	✓	●	☆	☆	● ☆	● ☆
R	CD140a (PDGFRa)	241658H4	Human	98141	✓	●	☆	●	● ●	● ●
R	CD140a	242025B3	Mouse	98256	✓	●	☆	●	☆ ●	● ☆
R	CD140b (PDGFRb)	242711A9	Human	98405		●	☆	☆	☆ ☆	☆ ☆
R	CD140b	241754F6	Mouse	98207	✓	●	☆	●	● ●	● ☆
R	CD141	240365H3	Human	98037		●	☆	☆	● ☆	☆ ☆
R	CD142	240784E2	Human	98104	✓	●	●	●	● ●	● ●
R	CD142	240875G1	Mouse	98114	✓	●	☆	●	● ●	● ☆
R	CD144 (VE-cadherin)	240755B2	Human	98071	✓	●	☆	●	● ●	● ☆
R	CD144	241953D4	Mouse	98251	✓	●	☆	☆	● ☆	☆ ☆
R	CD146 (MCAM)	250530B2	Human	98561		●	☆	☆	☆ ☆	☆ ☆
	CD146	P1H12	Human, Mouse, Rabbit, Canine	65181		●	●	●	● ●	● ●
R	CD147	251215H5	Human	98558		●	☆	☆	☆ ☆	☆ ☆
R	CD147	241852B4	Mouse	98229	✓	●	☆	● ●	● ●	● ☆
R	CD148 (PTPRJ)	252382G6	Human	98715		●	☆	☆	☆ ☆	☆ ☆
R	CD150 (SLAM)	241800B12	Human	98220	✓	●	☆	●	● ●	● ●
R	CD150	242631G1	Mouse	98348		●	☆	☆	☆ ☆	☆ ☆
R	CD152 (CTLA-4)	240793E8	Human	98078		●	●	☆	● ☆ ●	☆ ☆
R	CD152	241100B8	Mouse	98147	✓	●	☆	☆	● ☆	● ☆
R	CD154 (CD40L)	242847F7	Human	98355		●	☆	☆	☆ ☆	☆ ●
R	CD154	240743E6	Mouse	98120	✓	●	☆	☆	● ☆ ●	● ☆
	CD154	MR1	Mouse	65129		●		●	● ●	● ●
R	CD155 (PVR)	241405G8	Human	98186		●	☆	●	☆ ☆	☆ ☆
R	CD155	SKII.4	Human	65251	✓	●	●	●	● ●	● ●
R	CD155	240731B1	Mouse	98077		●	☆	●	☆ ●	● ☆

R This clone is available as a recombinant antibody

☆ Fluorophore available through FlexAble antibody labeling kit (p.42)

CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD157	241424H5	Human	98146	✓	●	☆	●	● ●	● ☆
R	CD157	241822H1	Mouse	98213	✓	●	☆	●	☆ ●	● ☆
R	CD158b2 (KIR2DL3)	242282E11	Human	98373		●	☆	●	☆ ●	● ☆
R	CD158e (KIR3DL1)	243022H8	Human	98389		●	☆	☆	☆ ☆	☆ ☆
R	CD158i (KIR2DS4)	242656E10	Human	98339		●	☆	☆	☆ ☆	☆ ☆
R	CD158z (KIR3DL3)	250254F12	Human	98628		●	☆	☆	☆ ☆	☆ ☆
R	CD160	241415F2	Human	98111	✓	●	☆	●	● ☆	● ☆
R	CD160	252665C10	Mouse	98757		●	☆	☆	☆ ☆	☆ ☆
R	CD161 (KLRB1)	242140H5	Human	98281		●	☆	●	☆ ●	● ☆
	CD161 (NK1.1)	PK136	Mouse	65138		●	☆	●	● ●	● ☆
R	CD161	241840F3	Rat	98249		●	☆	●	☆ ●	● ☆
R	CD162 (SELPG)	241297F10	Human	98084	✓	●	☆	●	● ☆	● ☆
R	CD163	GHI/61	Human	65169	✓	●	● ●	●	● ●	● ●
R	CD164	241950F3	Human	98239		●	☆	☆	☆ ☆	☆ ☆
R	CD164	242986C2	Mouse	98419		●	☆	☆	☆ ☆	☆ ☆
R	CD166 (ALCAM)	251789D7	Human	98645		●	☆	☆	☆ ☆	☆ ☆
R	CD166	3A6	Human	65223	✓	●	●	●	● ●	● ● ●
R	CD166	241945G8	Mouse	98316		●	☆	☆	☆ ☆	☆ ☆
R	CD167a (DDR1)	241796D6	Human	98200	✓	●	☆	☆	● ●	● ☆
R	CD167	250766G5	Rat	98629		●	☆	☆	☆ ☆	☆ ☆
R	CD169 (Siglec 1)	251732D3	Human	98644		●	☆	☆	☆ ☆	☆ ☆
R	CD171 (L1CAM)	240978A7	Human	98130	✓	●	☆	☆	☆ ☆	● ☆
R	CD171	250101F8	Mouse	98510		●	☆	☆	☆ ☆	☆ ☆
R	CD172a (SIRPa)	240789E1	Human	98101	✓	●	☆	☆	● ☆	● ☆
R	CD172a	241794D9	Mouse	98225	✓	●	●	●	● ●	● ● ●
R	CD172b (SIRPb1)	242115C10	Human	98267	✓	●	☆	●	● ●	● ☆
R	CD174 (Lewis Y)	260348A1	Human	98819		●	☆	☆	☆ ☆	☆ ☆
R	CD177	241339F4	Human	98086	✓	●	☆	●	● ☆	● ☆
R	CD178 (Fas Ligand)	NOK-1	Human	65598		●	☆	☆	● ☆	● ☆
R	CD178	242892G9	Rat	98430		●	☆	☆	☆ ☆	☆ ☆
R	CD179b	252001D6	Human	98738		●	☆	☆	☆ ☆	☆ ☆
R	CD182 (CXCR2)	242766G3	Mouse	98353		●	☆	☆	☆ ☆	☆ ☆
R	CD184 (CXCR4)	241735F8	Human	98175	✓	●	☆	☆	● ☆	● ☆
R	CD184	241956H2	Mouse	98233		●	☆	☆	● ●	● ● ☆
R	CD200	241329G4	Human	98091	✓	●	☆	●	● ●	● ☆
R	CD200	240391A6	Mouse	98039	✓	●	☆	●	☆ ●	● ☆
	CD200	OX90	Mouse	65230		●		☆	☆	☆
R	CD200R1	241453E7	Mouse	98155	✓	●	☆	☆	● ☆	☆ ☆
R	CD201 (EPCR)	241806D7	Human	98325	✓	●	☆	☆	● ☆	☆ ☆

CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD201	241853A7	Mouse	98248		●	☆	●	● ●	● ☆
R	CD202b (Tie-2)	250234B4	Human	98462		●	☆	☆	☆ ☆	☆ ☆
R	CD202b	241753F12	Mouse	98219	✓	●	☆	●	● ●	● ☆
R	CD203c (ENPP3)	242965D11	Human	98490		●	☆	☆	☆ ☆	☆ ☆
R	CD205 (Ly75)	251337B3	Mouse	98583		●	☆	☆	☆ ☆	☆ ☆
R	CD206 (CLEC13D)	250381C1	Human	98458		●	● ●	●	☆ ●	● ● ●
	CD206	15-2	Human	65155		●	☆	●	● ☆	● ☆
R	CD206	240344D12	Mouse	98031	✓	●	●	●	● ● ●	● ● ●
R	CD207	242303C1	Human	98368		●	☆	☆	● ☆	☆ ☆
R	CD209 (DC-SIGN)	240907A4	Human	98156	✓	●	☆	●	● ● ●	● ☆
R	CD212 (IL-12RB1)	241661H1	Human	98149	✓	●	☆	☆	● ☆	● ☆
R	CD213a1 (IL-13Ra1)	241834A1	Human	98216		●	☆	☆	☆ ☆	☆ ☆
R	CD213a2 (IL-13RA2)	242742C4	Mouse	98407	✓	●	☆	☆	● ☆	☆ ☆
R	CD215 (IL-15RA)	242689E1	Human	98380		●	☆	☆	● ☆	☆ ☆
R	CD215	242618B9	Mouse	98406		●	☆	☆	☆ ☆	☆ ☆
R	CD217 (IL-17RA)	241891G7	Human	98271	✓	●	☆	☆	● ☆	● ☆
R	CD217	250349C6	Mouse	98532		●	☆	☆	☆ ☆	☆ ☆
R	CD218a (IL-18R1)	241673D3	Human	98150	✓	●	☆	●	● ●	● ☆
R	CD220 (INSR)	241687A10	Human	98227	✓	●	☆	●	● ●	● ☆
R	CD221 (IFG1R)	241679A6	Human	98144	✓	●	☆	☆	● ☆	● ☆
R	CD223 (LAG-3)	243086H8	Human	98435		●	☆	●	☆ ☆	☆ ☆
R	CD223	241294E11	Mouse	98167	✓	●	☆ ●	●	● ●	● ☆
	CD223	C9B7W	Mouse	65098		●	●	●	● ●	● ●
R	CD226	11A8	Human	65247	✓	●	●	●	● ● ●	● ●
R	CD226	240673G4	Human	98002	✓	●	● ●	●	☆ ☆	● ● ●
R	CD226	250384G1	Mouse	98495	✓	●	☆	☆	☆ ☆	☆ ☆
R	CD229 (SLAMF3)	242312D12	Mouse	98274	✓	●	☆	●	● ●	● ☆
R	CD232 (PLXNC1)	250374F2	Human	98534		●	☆	☆	☆ ☆	☆ ☆
R	CD235a	242822E1	Human	98370	✓	●	☆	●	☆ ●	● ☆
	CD235a	HIR2	Human	65174		●	☆	●	● ●	☆ ●
R	CD235a	242129D10	Mouse	98269	✓	●	☆	☆	● ☆	● ☆
R	CD236 (GYPC)	251100H6	Human	98521		●	☆	☆	☆ ☆	☆ ☆
R	CD239 (BCAM)	250778C11	Human	98521		●	☆	☆	☆ ☆	☆ ☆
R	CD244 (SLAMF4)	241260G10	Human	98133	✓	●	●	● ●	● ●	● ●
	CD244	2B4.69	Human	65270		●	●	●	● ●	● ●
R	CD248 (TEM1)	251338B12	Human	98709		●	☆	☆	☆ ☆	☆ ☆
R	CD249 (ENPEP)	250659C1	Mouse	98489		●	☆	☆	☆ ☆	☆ ☆
R	CD252 (TNFSF4)	242227B1	Mouse	98381		●	☆	☆	● ☆	☆ ☆

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CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD253 (TRAIL)	241419D2	Human	98139	✓	●	☆	☆	● ☆	● ☆
R	CD255 (TNFSF12)	250734G8	Human	98582		●	☆	☆	☆ ☆	☆ ☆
R	CD256 (APRIL)	241666F9	Mouse	98331		●	☆	☆	☆ ☆	☆ ☆
R	CD258 (LIGHT)	240694D7	Human	98063	✓	●	☆	●	● ●	● ☆
R	CD258	250481H2	Mouse	98627		●	☆	☆	☆ ☆	☆ ☆
R	CD261 (DR4)	250737E11	Human	98511		●	☆	☆	☆ ☆	☆ ☆
R	CD262 (DR5)	242319H8	Human	98273	✓	●	☆	●	● ●	☆ ☆
R	CD264 (DcR2)	242916D5	Human	98412		●	☆	☆	☆ ☆	☆ ☆
R	CD265 (RANK)	250531E10	Human	98296		●	☆	☆	☆ ☆	☆ ☆
R	CD266 (TWEAKR)	240991C5	Human	98125	✓	●	☆	●	● ●	● ☆
R	CD266	241646F11	Mouse	98382		●	☆	☆	☆ ☆	☆ ☆
R	CD267 (TNFRSF13B)	241317D8	Human	98100	✓	●	☆	☆	☆ ☆	☆ ☆
R	CD267	250265B1	Mouse	98439		●	☆	☆	☆ ☆	☆ ☆
R	CD268 (BAFF-R)	242003A1	Human	98254		●	☆	☆	☆ ☆	☆ ☆
R	CD268	243120H8	Mouse	98404		●	☆	☆	☆ ☆	☆ ☆
R	CD269 (BCMA)	241731A11	Human	98215	✓	●	●	●	● ●	● ●
R	CD270 (HVEM)	250728C11	Human	98362		●	☆	☆	☆ ☆	☆ ☆
R	CD270	252718B3	Mouse	98781		●	☆	☆	☆ ☆	☆ ☆
R	CD271 (NGFR)	242634B10	Mouse	98391		●	☆	☆	☆ ☆	☆ ☆
R	CD271	242465H4	Rat	98369		●	☆	☆	☆ ☆	☆ ☆
R	CD272 (BTLA)	241318H5	Human	98096	✓	●	☆	●	● ●	● ☆
R	CD272	242133A1	Mouse	98246	✓	●	☆	●	☆ ●	● ☆
R	CD273 (PD-L2)	241728D8	Mouse	98241		●	☆	●	☆ ●	● ☆
R	CD274 (PD-L1)	240721H8	Human	98062	✓	●	☆	●	● ●	● ☆
	CD274	29E.2A3	Human	65081		●	☆	●	● ●	☆ ☆
R	CD274	240993E1	Mouse	98166	✓	●	●	●	● ● ●	● ●
R	CD274	10F.9G2	Mouse	65685		●	☆	●	☆ ●	● ☆
R	CD275 (B7-H2)	242241C8	Human	98358		●	☆	☆	☆ ☆	☆ ☆
R	CD275	240243G5	Mouse	98058		●	☆	☆	● ☆	☆ ☆
R	CD276 (B7-H3)	230305A10	Human	98017	✓	●	☆	●	● ●	● ●
	CD276	MJ18	Mouse	65221		●	●	●	☆ ●	☆
R	CD278 (ICOS)	241770G11	Human	98214	✓	●	☆	☆	● ☆	● ●
R	CD278	242639C3	Mouse	98341	✓	●	☆	☆	● ☆	● ☆
R	CD279 (PD-1)	240724G11	Human	98068	✓	●	●	●	● ●	● ●
	CD279	J110	Human	65119		●	●	●	● ●	● ●
R	CD279	EH12.2H7	Human, Primates	65586	✓	●	●	●	● ● ●	● ●
R	CD279	240389B8	Mouse	98080		●	●	●	☆ ●	● ●
R	CD279	RMP1-14	Mouse	65684		●	☆	☆	☆ ☆	☆ ☆

CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CD279	RMP1-30	Mouse	65665	✓				●	●
R	CD280 (MRC2)	250494E1	Human	98491		●	☆	☆	☆ ☆	☆ ☆
R	CD282 (TLR2)	251864G3	Human	98376		●	☆	☆	☆ ☆	☆ ☆
R	CD283 (TLR3)	230445F1	Human	98016	✓	●	☆	☆	● ●	● ☆
R	CD284 (TLR4)	242067C1	Human	98327		●	☆	☆	☆ ☆	☆ ☆
R	CD284	230463C7	Mouse	98018	✓	●	☆	☆	☆ ●	● ☆
R	CD284	253539A1	Rat	98747		●	☆	☆	☆ ☆	☆ ☆
R	CD295 (LEPR)	250779C11	Mouse	98625		●	☆	☆	☆ ☆	☆ ☆
R	CD298 (ATP1B3)	251377D4	Human	98589		●	☆	☆	☆ ☆	☆ ☆
R	CD299 (DC-SIGNR)	241683G8	Human	98205	✓	●	☆	☆	☆ ☆	☆ ☆
R	CD300a	242131H4	Human	98268		●	☆	●	☆ ●	● ☆
R	CD300e	242031C10	Human	98235	✓	●	☆	●	● ●	● ☆
R	CD301 (CLEC10A)	241857C11	Human	98245	✓	●	☆	●	● ● ●	● ☆
R	CD302 (CLEC13A)	242903G5	Human	98413		●	☆	☆	☆ ☆	☆ ☆
R	CD302	242893C3	Mouse	98434		●	☆	☆	☆ ☆	☆ ☆
R	CD304 (Neuropilin 1)	241812B11	Human	98210		●	☆	☆	☆ ☆	☆ ☆
R	CD304	251829C7	Mouse	98638		●	☆	☆	☆ ☆	☆ ☆
R	CD305 (LAIR1)	241805G2	Human	98326	✓	●	☆	●	● ●	● ☆
R	CD305	242226E10	Mouse	98286	✓	●	☆	☆	● ☆	● ☆
R	CD307a (FCRL1)	251080E1	Human	98557		●	☆	☆	☆ ☆	☆ ☆
R	CD309 (VEGFR2)	230238B11	Human	98009	✓	●	☆	☆	● ●	● ☆
R	CD309	240214D7	Mouse	98027	✓	●	☆	●	● ●	● ●
R	CD312 (EMR2)	242042B11	Human	98260		●	☆	☆	☆ ☆	☆ ☆
R	CD314 (NKG2D)	260058A1	Human	98789		●	☆	☆	☆ ☆	☆ ☆
R	CD314	1D11	Human	65188		●	●	●	● ●	● ●
R	CD314	250267G1	Mouse	98481		●	☆	☆	☆ ☆	☆ ☆
R	CD316 (IGSF8)	243019D8	Human	98530		●	☆	☆	☆ ☆	☆ ☆
R	CD317 (BST2)	250317H5	Human	98305		●	☆	☆	☆ ☆	☆ ☆
R	CD318 (CDCP1)	242428F9	Human	98294	✓	●	☆	●	● ●	● ☆
R	CD319 (SLAMF7)	241321F11	Human	98093	✓	●	☆	☆	● ☆	● ☆
R	CD319	242629G1	Mouse	98342		●	☆	☆	☆ ☆	☆ ☆
R	CD321 (JAM-A)	242290B3	Human	98328	✓	●	☆	☆	● ☆	● ☆
R	CD321	250060G10	Mouse	98516		●	☆	☆	☆ ☆	☆ ☆
R	CD322 (JAM-B)	242617F10	Human	98390		●	☆	☆	☆ ☆	☆ ☆
R	CD324 (E-cadherin)	240159G8	Human	98030	✓	●	☆	☆	☆ ●	☆ ●
R	CD324	241098F7	Human	98123	✓	●	☆	●	● ●	● ●
R	CD324	241282C1	Mouse	98140	✓	●	☆	☆	● ●	● ☆

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CD MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
	CD324	DECMA-1	Mouse	65241		●		☆	☆	● ●
R	CD324	242018A7	Rat	98323		●	☆	☆	● ●	● ☆
R	CD325 (N-cadherin)	230259D7	Human	98006	✓	●	☆	☆	● ●	● ☆
R	CD326 (EPCAM)	250626C6	Human	98303		●	☆	☆	☆ ☆	☆ ☆
R	CD326	252759F2	Mouse	98792		●	☆	☆	☆ ☆	☆ ☆
R	CD327 (Siglec-6)	243088G2	Human	98416	✓	●	☆	☆	● ☆	● ☆
R	CD328 (Siglec-7)	241525H1	Human	98183		●	☆	☆	☆ ☆	☆ ☆
R	CD329 (Siglec-9)	241799C10	Human	98264		●	☆	●	☆ ☆	☆ ☆
R	CD332 (FGFR2)	241383D11	Human	98244		●	☆	☆	☆ ☆	☆ ☆
R	CD333 (FGFR3)	251774D11	Human	98631		●	☆	☆	☆ ☆	☆ ☆
R	CD334 (FGFR4)	242713H4	Human	98383		●	☆	☆	☆ ☆	☆ ☆
R	CD335 (NKp46)	242549D12	Human	98340		●	☆	●	☆ ●	● ☆
R	CD335	241804A12	Mouse	98198		●	● ●	●	☆ ●	● ● ●
R	CD335	29A1.4	Mouse	65667		●	☆	●	☆ ●	● ☆
R	CD335	241811E9	Rat	98250		●	☆	☆	☆ ●	☆ ☆
R	CD336	242228B9	Human	98371		●	☆	☆	☆ ☆	☆ ☆
R	CD337 (NCR3)	243109B11	Human	98365		●	☆	☆	☆ ☆	☆ ☆
R	CD339 (Jagged1)	241412A6	Human	98243		●	●	☆	☆ ●	● ●
R	CD340 (HER2)	242436C4	Human	98304		●	☆	☆	☆ ☆	☆ ☆
R	CD340	241366E6	Mouse	98153	✓	●	☆	☆	● ●	● ☆
R	CD352 (SLAMF6)	241384G5	Human	98308		●	☆	☆	☆ ☆	☆ ☆
R	CD352	251099G11	Mouse	98541		●	☆	☆	☆ ☆	☆ ☆
R	CD354 (TREM-1)	241279D10	Human	98154	✓	●	☆	☆	● ☆	● ☆
R	CD354	240219H1	Mouse	98022		●	☆	●	☆ ●	● ☆
R	CD355 (CRTAM)	241280B12	Human	98157	✓	●	☆	●	● ●	● ☆
R	CD355	250055A1	Mouse	98420		●	☆	☆	☆ ☆	☆ ☆
R	CD357 (GITR)	250666B12	Mouse	98466 x		●	☆	☆	☆ ☆	☆ ☆
R	CD357	DTA-1	Mouse	65102		●	☆	●	☆ ☆	● ●
R	CD358 (TNFRF21)	250249D8	Human	98523		●	☆	☆	☆ ☆	☆ ☆
R	CD361 (EVI2B)	251941B9	Mouse	98666		●	☆	☆	☆ ☆	☆ ☆
R	CD362 (SDC2)	242939A12	Mouse	98399		●	☆ ●	☆	☆ ☆	☆ ☆
R	CD365 (KIM-1)	242001E8	Human	98238		●	☆	●	☆ ●	● ☆
R	CD366 (TIM3)	241422H1	Human	98115		●	☆ ●	●	● ● ●	● ☆
R	CD367 (CLEC4A)	241854D7	Human	98230		●	☆	☆	☆ ☆	☆ ☆
R	CD367	251355C11	Mouse	98688		●	☆	☆	☆ ☆	☆ ☆
R	CD369 (CLEC7A)	250609F8	Mouse	98597		●	☆	☆	☆ ☆	☆ ☆
R	CD370 (CLEC9A)	242895F4	Mouse	98395		●	☆	☆	☆ ☆	☆ ☆
R	CD371 (CLEC12A)	240791B7	Human	98083		●	☆	●	☆ ●	● ☆
R	CD371	242620B12	Mouse	98357		●	☆	☆	☆ ☆	☆ ☆

CAR Detection Reagents

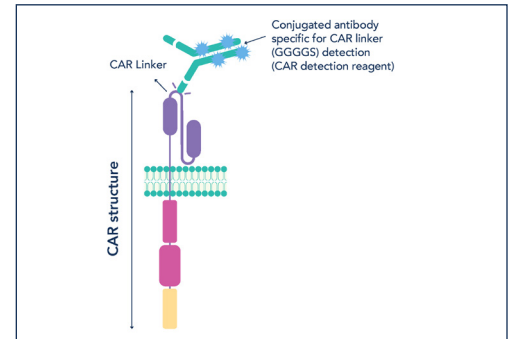
Proteintech's comprehensive range of CAR detection reagents enables accurate quantification and monitoring of CAR expression on CAR-engineered cells. These products are designed for high sensitivity, lot-to-lot consistency, and compatibility with various workflows. CAR detection reagents are well suited for verification, in-process analytics, and release testing of the manufactured clinical product.



For more products

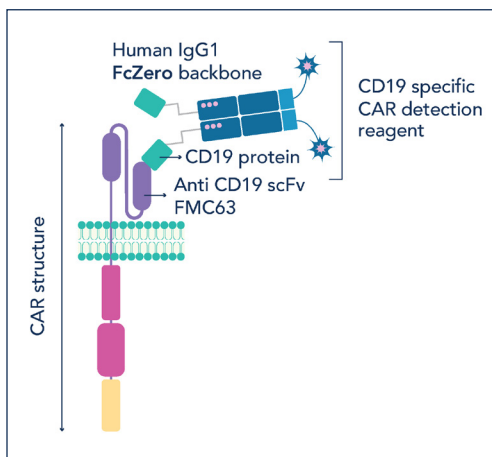
Universal CAR Detection Reagents

Detects a broad range of CAR constructs through the precise recognition of the scFv linker region. This allows reliable identification and quantification of CAR expression independent of target specificity.



- Broad CAR coverage with two universal reagents
- Flexible for current and future CAR designs

R	Target	Catalog No.	FcZero	Pure	Biotin	Violet	Blue	Yellow	Red
R	GGGGS Linker	98262	✓	●	●	● ●	●	● ●	● ☆
R	Whitlow/218 Linker	98672		●		☆	☆	● ☆	☆ ☆



Target Specific CAR Detection Reagents

Target-Specific CAR Detection Reagents are designed for precise and reliable detection of CAR constructs by flow cytometry. By incorporating a native target protein fused to a human IgG1 backbone, these reagents bind directly and with high affinity to the CAR scFv target-binding domain, delivering clear, reproducible staining profiles that:

- Confirm CAR expression and functional target engagement
- Improves construct and clone selection
- Aligns with potency and comparability requirements

R	Target	Catalog No.	Biotin	PE
R	Human CD19	CAR001	●	●
R	Human CD22	CAR003	●	●
R	Human CD30	CAR004	●	●
R	Human CD33	CAR005	●	●
R	Human CD38	CAR006	●	●
R	Human SLAMF7/CD319	CAR009	●	
R	Human ROR1	CAR010	●	●

R	Target	Catalog No.	Biotin	PE
R	Human FOLR1	CAR016	●	
R	Human Carbonic Anhydrase IX/CA9	CAR018	●	
R	Human HER2/ErbB2	CAR020	●	
R	Human Mesothelin	CAR021	●	
R	Human EGFR	CAR022	●	
R	Human Glypican 3	CAR023	●	

Other Extracellular Targets

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	ACE2	250363F10	Human	98529		●	☆	☆	☆☆	☆☆
R	ACE2	250137D6	Mouse	98508		●	☆	☆	☆☆	☆☆
R	ADAM17	251631A5	Human	98674		●	☆	☆	☆☆	☆☆
R	B7-H4	250392E12	Rat	98552		●	☆	☆	☆☆	☆☆
R	BAI3	251975B4	Human	98635		●	☆	☆	☆☆	☆☆
R	BCMA/TNFRSF17	241731A11	Human	98215	✓	●	●	●	●●	●●
R	Beta-2-Microglobulin	241308D5	Human	98165		●	☆	☆	☆☆	☆☆
R	Beta-2-Microglobulin	250172F11	Mouse	98442		●	☆	☆	☆☆	☆☆
R	CCR7	253310A1	Human	98717		●	☆	☆	☆☆	☆☆
R	Claudin 19	251126D7	Human	98681		●	☆	☆	☆☆	☆☆
R	CRHR1	251134A8	Human	98686		●	☆	☆	☆☆	☆☆
R	Csf2rb2	250610G11	Mouse	98460		●	☆	☆	☆☆	☆☆
R	DR3	250529C3	Human	98568		●	☆	☆	☆☆	☆☆
R	EGFR	242684A1	Human	98344		●	☆	●	☆☆	☆☆
R	EGFR	250760H6	Mouse	98632		●	☆	☆	☆☆	☆☆
R	EMR1	241999C1	Human	98632		●	☆	☆	☆☆	☆☆
R	EPHA1	252393C12	Human	98743		●	☆	☆	☆☆	☆☆
R	EPHB4	252186C2	Human	98685		●	☆	☆	☆☆	☆☆
R	F4/80	241959G4	Mouse	98236	✓	●	●	●	●●●●	●●●●
R	FAP	241129B4	Human	98622		●	☆	☆	☆☆	☆☆
R	FceR1a	242008G6	Mouse	98289	✓	●	☆	●	●●	●☆☆
R	Frizzled 2	251644E1	Human	98707		●	☆	☆	☆☆	☆☆
R	Galectin-3	242453H5	Mouse	98335		●	☆	☆	☆☆	☆☆
R	GGGGS Linker	242306C8	N/A	98262	✓	●	●●	●	●●	●☆☆
	GL7	GL-7	Mouse	65261		●		●	●	☆☆●
R	gp130/IL-6ST	242292C9	Human	98121	✓	●	☆	☆	☆☆	☆☆
R	GPR37	252205H8	Human	98665		●	☆	☆	☆☆	☆☆
R	GPR56	242249A7	Human	98291	✓	●	☆	☆	☆☆	☆☆
R	HER2/ErbB2	241366E6	Mouse	98153	✓	●	☆	☆	●●	●☆☆
	HLA class I ABC	5C5B7	Human, Pig	66013		●	☆	●	☆☆●	☆☆☆☆
	HLA class II	253538A1	Human	98748		●	☆	☆	☆☆	☆☆
R	HLA-DR	L243	Human	65560	✓	●	●●	●●●	●●●●●	●●●●●
R	IFNAR1	230549B1	Human	98067	✓	●	☆	☆	●☆☆	☆☆☆☆
R	IFNAR2	250313D4	Human	98474		●	☆	☆	☆☆	☆☆
R	IgA1	252592G2	Human	98758		●	☆	☆	☆☆	☆☆
R	Ig, λ Light Chain	251497D8	Human	98723		●	☆	☆	☆☆	☆☆

R This clone is available as a recombinant antibody

☆ Fluorophore available through FlexAble antibody labeling kit (p.42)

EXTRACELLULAR MARKERS

R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	IgG1	251296E10	Human	98804		●	☆	☆	☆☆	☆☆
R	IgG3	251300H6	Human	98724		●	☆	☆	☆☆	☆☆
R	IgM	252497G11	Mouse	98759		●	☆	☆	☆☆	☆☆
R	IL-1RAP	240756A12	Human	98073	✓	●	☆	●	●●	●☆
R	IL-10RB	242302D2	Human	98292		●	☆	☆	☆☆	☆☆
R	IL-12RB2	251356B12	Human	98621		●	☆	☆	☆☆	☆☆
R	IL-17RB	242967D1	Mouse	98455		●	☆	☆	☆☆	☆☆
R	IL-20RA	250321B10	Human	98512		●	☆	☆	☆☆	☆☆
R	IL-20RB	250596B5	Mouse	98569		●	☆	☆	☆☆	☆☆
R	IL-22RA1	252165B7	Human	98684		●	☆	☆	☆☆	☆☆
R	IL-23R	240905B5	Human	98180		●	☆	☆	☆☆	☆☆
R	Integrin beta-5	252748H5	Mouse	98706		●	☆	☆	☆☆	☆☆
	Integrin beta-7 (LPAM-1)	FIB504	Mouse	65213		●		●	☆	●
	Integrin beta-7	DATK32	Mouse	65101		●		☆	●●	●
R	JAM3	251954C5	Human	98660		●	☆	☆	☆☆	☆☆
R	JAM3	242630E6	Mouse	98393		●	☆	☆	☆☆	☆☆
R	JAML/AMICA1	253309A1	Mouse	98718		●	☆	☆	☆☆	☆☆
	KLRG1/CLEC15A	2F1	Mouse	65084		●		●	●	●●
R	LTBR	251739F2	Human	98626		●	☆	☆	☆☆	☆☆
R	Ly-6C	HK1.4	Mouse	65669	✓	●		●	●●	●
R	Ly-6G (Gr-1)	242141B11	Mouse	98284	✓	●	●●	●●	●●●●	●●●●
	Ly-6G (Gr-1)	1A8	Mouse	65078		●		☆	●●	●●
	Ly-6G/Ly-6C (Gr-1)	RB6-8C5	Mouse	65140	✓	●	●	●	●●	●●
R	MAdCAM1	242902D6	Mouse	98444		●	☆	☆	☆☆	☆☆
R	MCOLN2	251091D10	Human	98650		●	☆	☆	☆☆	☆☆
R	MERTK	251632D10	Human	98604		●	☆	☆	☆☆	☆☆
R	Mesothelin	252795C4	Human	98776		●	☆	☆	☆☆	☆☆
R	MHC Class II (I-A/I-E)	M5/114.15.2	Mouse	65663	✓	●	●●	●●	●●●●	●●
R	MICA/MICB	240735D5	Human	98110	✓	●	☆	☆	●☆	☆☆
R	MICA/MICB	6D4	Human	65161		●	☆	●	●●	●●
R	MUC1	252211G3	Human	98683		●	☆	☆	☆☆	☆☆
R	Neutrophil Elastase	250346G5	Human	98499		●	☆	●	☆☆	☆☆
R	Neutrophil Elastase	241842G3	Mouse	98197	✓	●	☆	●	●●	●☆
R	OLR1	250525B12	Human	98524		●	☆	☆	☆☆	☆☆
R	OLR1	250111C2	Mouse	98509		●	☆	☆	☆☆	☆☆
R	Patched 2	251786C3	Human	98705		●	☆	☆	☆☆	☆☆
R	PKD2L2	251120E1	Human	98682		●	☆	☆	☆☆	☆☆

R This clone is available as a recombinant antibody

☆ Fluorophore available through FlexAble antibody labeling kit (p.42)

EXTRACELLULAR MARKERS

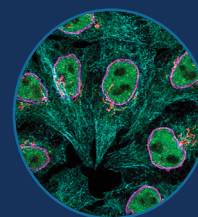
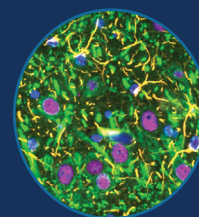
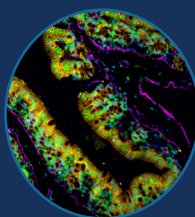
R	Target	Clone	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	Podocalysin	252967A3	Mouse	98799		●	☆	☆	☆ ☆	☆ ☆
R	Podoplanin	251406C8	Human	98605		●	☆	☆	☆ ☆	☆ ☆
R	Podoplanin	250618A2	Mouse	98492		●	☆	☆	☆ ☆	☆ ☆
R	PLVAP	MECA-32	Mouse	65214	✓	●		●	● ●	● ●
R	PSMA/GCPII	242026E6	Human	98279	✓	●	☆	☆ ●	● ☆	● ☆
R	Siglec-8	241275A5	Human	98177	✓	●	☆	●	● ☆	● ☆
R	STRO-1	STRO-1	Human	65184	✓	●	●	●	● ●	● ●
R	TACSTD2/TROP2	250382A12	Human	98465		●	☆	☆	☆ ☆	☆ ☆
R	TCR alpha	253311A1	Mouse	98716		●	☆	☆	☆ ☆	☆ ☆
R	TCR beta	H57-597	Mouse	65678				●	●	●
R	TCR Vγ5Vδ1	251677A1	Human	98527		●	☆	☆	☆ ☆	☆ ☆
	TER-119	TER-119	Mouse	65149		●		●	●	●
R	TGFBR2	250238A7	Human	98438		●	☆	●	☆ ☆	● ●
R	TIGIT	240423C7	Human	98023	✓	●	☆	●	● ●	● ●
R	TIGIT	242242F11	Mouse	98026		●	☆	●	☆ ●	● ☆
R	TIGIT	242242F11	Mouse	98285	✓	●	☆	☆	● ☆	● ☆
R	TIMD4	242616C10	Mouse	98401		●	☆	☆	☆ ☆	☆ ☆
R	TMEM119	251557E2	Human	98677		●	☆	☆	☆ ☆	☆ ☆
R	TRPM5	251123B10	Human	98691		●	☆	☆	☆ ☆	☆ ☆
R	TRPM7	251124A5	Human	98602		●	☆	☆	☆ ☆	☆ ☆
R	TRPV2	251093A1	Human	98654		●	☆	☆	☆ ☆	☆ ☆
R	TRPV3	250990C6	Human	98540		●	☆	☆	☆ ☆	☆ ☆
R	TRPV4	251361G8	Human	98690		●	☆	☆	☆ ☆	☆ ☆
R	VEGFR1/FLT1	242311D5	Rat	98418		●	☆	☆	☆ ☆	☆ ☆
R	VEGFR3/FLT4	242430C2	Human	98633		●	☆	☆	☆ ☆	☆ ☆
R	VEGFR3/FLT4	252201C3	Mouse	98676		●	☆	☆	☆ ☆	☆ ☆
R	VISTA	241003C8	Human	98109	✓	●	☆	☆	● ☆	● ☆
R	VISTA	250122B7	Mouse	98487		●	☆	☆	☆ ☆	☆ ☆
R	Whitlow/218 Linker	252007G1	N/A	98672		●	☆	☆	● ☆	☆ ☆

FlexAble^{2.0}

Antibody labeling kit engineered to increase brightness in fluorescent applications

See page X for more info

New and Improved



ISOTYPE CONTROLS

Isotype controls are antibodies raised against antigens that are not present in cells, and are used as a form of negative control, in place of the target antibody, to assess the level of non-specific binding. These controls should be the same host, class, and subclass, and conjugated to the same fluorophore as the target antibody.

Isotype	Clone	Catalog No.	Pure	Violet	Blue	Yellow	Red
Armenian Hamster IgG	PIP	65210	●	●	●	● ☆	● ☆
Mouse IgG1	MOPC-21	65124	●	●	● ●	● ●	● ●
Mouse IgG2a	C1.18.4	65208	●	●	●	● ●	●
Mouse IgG2a, κ	MOPC-173	65244	●	● ●	●	● ● ●	● ● ●
Mouse IgG2a, λ	252253A1	98600	●	● ●	●	●	● ●
Mouse IgG2b	MPC-11	65128	●	●	●	● ● ●	● ●
Mouse IgM	MOPC-104e	65243	●	●	●	● ●	● ●
Rat IgG1	HRPN	65212	●	●	●	● ●	● ●
Rat IgG2a	250862A1	98427	●	●	●	● ●	● ●
Rat IgG2b	LTF-2	65211	●		●	●	●
Rabbit IgG	240953C9	98136	●	● ●	●	● ● ● ●	● ● ● ●

FLOW PANELS

Panel design for flow cytometry can be an intimidating beginning, especially for beginner and occasional flow users. Proteintech's flow cytometry panels can get you started on the right foot with all the markers necessary to find your target cells. They are expert designed and verified and include transparent and rigorous validation data.

Catalog No	Product Name	Targets Included
PK30051	FcZero-rAb Human T-Cell Basics Panel	CD3, CD4, CD8a, CD45, CD19
PK30052	FcZero-rAb Human B-Cell Basics Panel	CD3, CD45, CD19, CD20, CD21
PK30053	FcZero-rAb Human NK Cell Basics Panel	CD3, CD7, CD16, CD56, CD226
PK30054	FcZero-rAb Human Monocyte Basics Panel	CD3, CD14, CD16, CD64, HLA-DR
PK30058	FcZero-rAb Human Memory/Naïve T Cell Basics Panel	CD3, CD4, CD8a, CD45RA, CD45RO
PK30050	FcZero-rAb Human TBNK Basics Panel	CD3, CD4, CD8, CD19, CD56
PK30056	Human Mesenchymal Stem Cell Basics Panel	CD44, CD73, CD90, CD105, Lineage Cocktail
PK30055	FcZero-rAb Mouse Macrophage Basics Panel	CD11b, CD45, CD86, CD206, F4/80
PK30013	Mouse Activated T-Cell Panel	CD3e, CD4, CD8a, CD69, CD25
PK30057	Non-Human Primate Phenotyping Basics Panel	CD3, CD4, CD8, CD11b, CD16, CD45

Part of the Uni-rAb™ family

Next Generation Flow Cytometry Antibodies

Reimagine. Redefine. Recombine.

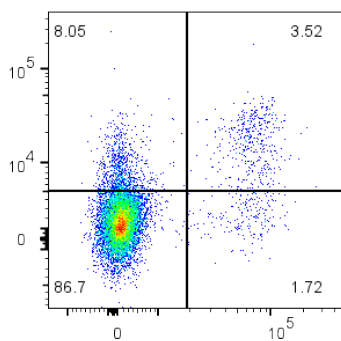
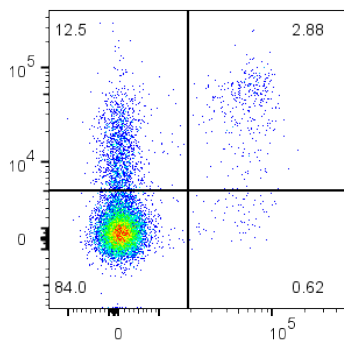
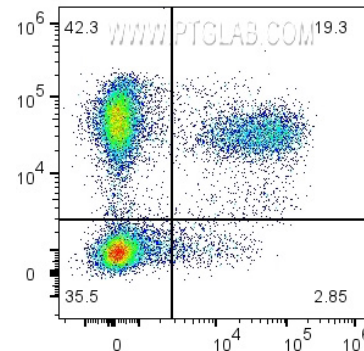
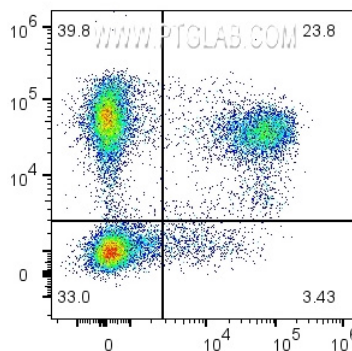
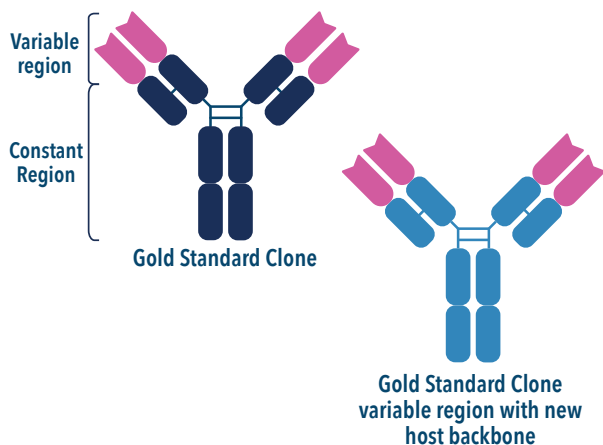


- Consistent performance
- Continuous supply
- Conjugation ready formulations

Recombinant antibodies are available for clones and targets marked by an R throughout this catalog.

Gold Standard Clones - Reimagined

The antigen-binding region of top-cited clones for flow cytometry have been recombined with Mouse IgG2a backbones for the consistency of recombinant antibodies and the performance of gold-standard clones you know and trust.



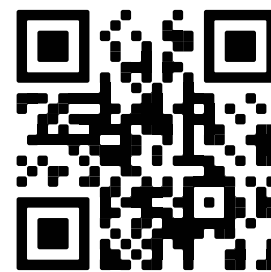
De novo recombinant clones optimized for flow cytometry

Proteintech recombinant antibody clones are carefully selected after multiple rounds of validation in applications such as ELISA, flow cytometry, WB, and IHC. Recombinant antibodies for flow cytometry are validated with both fixed and unfixed staining (if applicable) to find the clone with the best signal intensity and lowest background.

Part of the Uni-rAb™ family

FcZero-rAb

for Flow Cytometry



Zero Fc receptor binding

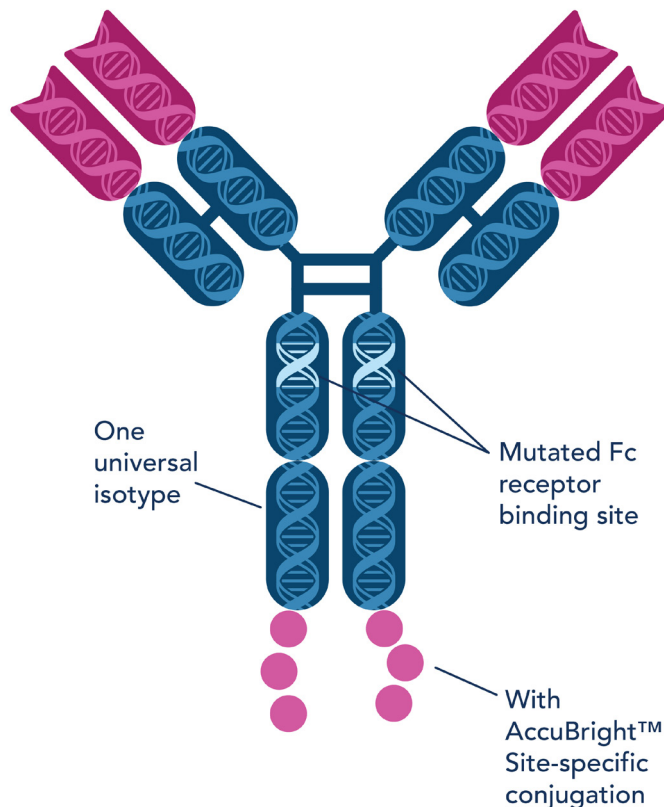
Recombinant antibodies with Proteintech's new FcZero backbone eliminates the need for Fc receptor block and simplifies your protocol.

Site-specific conjugation

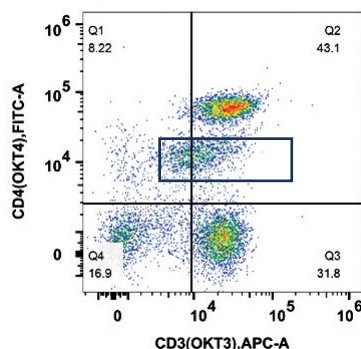
FcZero-rAb with AccuBright™ features site-specific, stoichiometric conjugation for precise control of degree of labeling, increased brightness, and removes the risk of fluorophores blocking the antigen-binding region.

Part of the Uni-rAb family

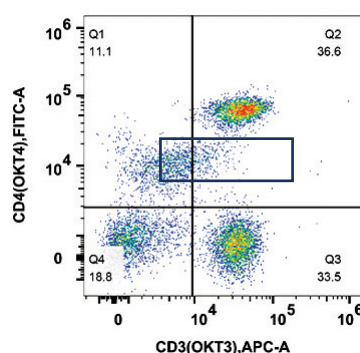
Uni-rAb recombinant monoclonal antibodies are developed using Proteintech's Antigen-Specific B-Cell Cloning & Engineering (ABCE™) Platform for optimized specificity, affinity, purity, and consistency.



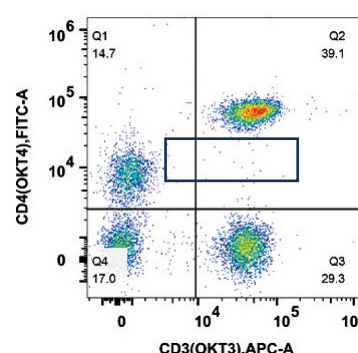
FcZero-rAb™ Recombinant Antibodies for Flow Cytometry eliminates background due to non-specific binding to Fc receptors, resulting in cleaner data.



Conventional Monoclonal



Conventional Monoclonal + FcR block

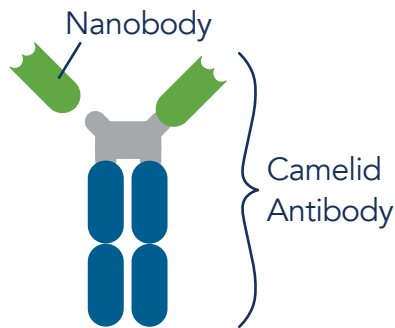


FcZero-rAb™

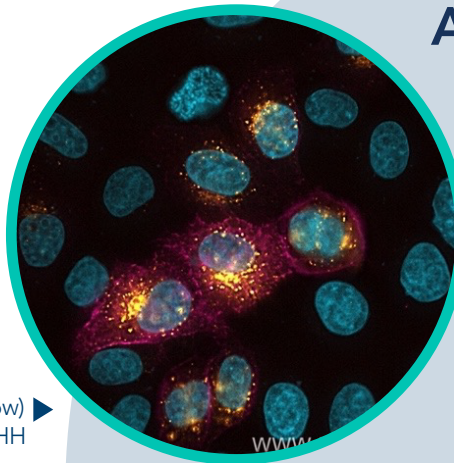


Nanobodies for Immuno-Oncology and Cytokines

Fluorescently conjugated VHH provide precise staining, increased sensitivity, & reduced background for flow cytometry, immunofluorescence, & live-cell imaging.



Extracellular (magenta) and intracellular (yellow) staining of TIGIT with CoraLite conjugated VHH



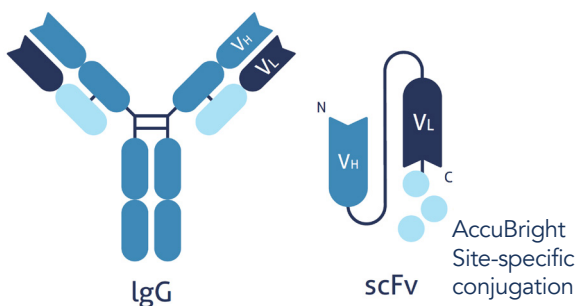
Available Targets

LAG3	TIGIT
TIM3	PD-1
PD-L1	FLT3
MSLN	IL6
IL28a	CTLA4
IFN γ	CD16



scFv Antibodies for Extracellular Vesicle Targets

Single-chain variable fragments (scFvs) offer advantages in crowded cellular environments and for nano-scale applications compared to IgG due to their size (25-30 kDa). Proteintech's recombinant scFv are conjugated using AccuBright stoichiometric conjugation for a known and consistent fluorochrome/protein ratio.



Human

CD4
CD19
CD20
CD81
CD98/SLC3A2
CD326/EPCAM
CD40L/CD154
CD5
CD63
CD9

Mouse

CD24
CD47
CD147
CD5
CD8a
CD56/NCAM

Isotype Control



Antibodies for INTRACELLULAR MARKERS



For more products

Fluorophore Key

Common laser	Violet (405nm)		Blue (488nm)		Yellow (561nm)				Red (638nm)		
Common filter	 450/45	 525/40	 525/40	 690/50	 585/42	 610/20	 690/50	 780/60	 660/10	 712/25	 780/60

For more information about Proteintech's fluorophore offering, see page 5

Cytokines and Chemokines

Cytokines are significant cell signaling molecules that can be analyzed by flow cytometry.

They are stained intracellularly and can be detected in combination with surface marker staining. Cytokine profiling by flow cytometry can characterize the inflammatory state of specific immune cell subsets.

R	Target	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CCL1	Mouse	98502		●	☆	☆	● ☆	● ☆
R	CCL2/MCP-1	Human	98044	✓	●	☆	☆	☆ ☆	☆ ☆
R	CCL2	Mouse	98028	✓	●	●	●	☆ ●	● ●
R	CCL3/MIP-1	Human	98646	✓	●	☆	☆	☆ ☆	☆ ☆
R	CCL3	Mouse	98194	✓	●	☆	●	☆ ●	● ☆
R	CCL4/MIP-1 beta	Rat	98770		●	☆	☆	☆ ☆	☆ ☆
R	CCL6	Mouse	98482		●	☆	☆	☆ ☆	☆ ☆
R	CCL7/MCP-3	Mouse	98555		●	☆	☆	☆ ☆	☆ ☆
R	CCL8/MCP-2	Mouse	98480		●	☆	☆	☆ ☆ ●	☆ ☆
R	CCL9	Mouse	98475		●	☆	☆	☆ ☆	☆ ☆
R	CCL11/Eotaxin	Mouse	98464		●	☆	☆	☆ ☆	☆ ☆
R	CCL12/MCP-5	Mouse	98542		●	☆	☆	☆ ☆	☆ ☆
R	CCL14	Human	98554		●	☆	☆	☆ ☆	☆ ☆
R	CCL14	Mouse	98519		●	☆	☆	☆ ☆	☆ ☆
R	CCL20/MIP-3 alpha	Human	98221	✓	●	☆	☆	☆ ☆	☆ ☆
R	CCL20	Mouse	98519		●	☆	☆	☆ ☆	☆ ☆
R	CCL20	Rat	98500		●	☆	☆	☆ ☆	☆ ☆
R	CCL22/MDC	Human	98280	✓	●	☆	☆	● ☆	● ☆
R	CCL24/Eotaxin 2	Human	98476		●	☆	☆	☆ ☆	☆ ☆
R	CXCL1	Mouse	98047		●	☆	●	☆ ●	● ☆
R	CXCL2	Mouse	98259	✓	●	☆	●	● ●	● ☆
R	CXCL3/GRO	Human	98518		●	☆	☆	☆ ☆	☆ ☆

R This clone is available as a recombinant antibody

☆ Fluorophore available through FlexAble antibody labeling kit (p.42)

CYTOKINES AND CHEMOKINES

R	Target	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	CXCL4/PF4	Human	98410		●	☆	☆	☆☆	☆☆
R	CXCL4/PF4	Mouse	98397		●	☆	☆	☆☆	☆☆
R	CXCL5	Mouse	98417		●	☆	☆	☆☆	☆☆
R	CXCL7/PPBP	Human	98578		●	☆	☆	☆☆	☆☆
R	CXCL7/PPBP	Rat	98497		●	☆	☆	☆☆	☆☆
R	CXCL9/MIG	Human	98211	✓	●	☆	☆	☆☆	☆☆
R	CXCL10/IP-10	Human	98265		●	☆	☆	☆☆	☆☆
R	CXCL13/BCA1	Mouse	98562		●	☆	☆	☆☆	☆☆
R	GM-CSF	Human	98050		●	☆	☆	☆☆	☆☆
R	GM-CSF	Mouse	98014		●	☆	●	☆☆	☆☆
R	Granzyme A	Mouse	98630	✓	●	☆	☆	☆☆	☆☆
R	Granzyme B	Human	98070	✓	●	☆	●	☆☆	☆☆
R	GM-CSF	Rat	98463	✓	●	☆	☆	☆☆	☆☆
R	IFN alpha 4	Human	98647		●	☆	☆	☆☆	☆☆
R	IFN beta	Mouse	98082		●	☆	☆ ●	☆☆	☆☆
R	IFN gamma	Human	98187	✓	●	☆	●	☆☆	☆☆
R	IFN gamma	Mouse	98045	✓	●	●	●	☆☆	☆☆
R	IFN gamma	Rat	98001	✓	●	☆	●	☆☆	☆☆
R	IFN gamma	Pig	98702		●	☆	☆	☆☆	☆☆
R	IL-1 alpha	Mouse	98052		●	☆	●	☆☆	☆☆
R	IL-1 alpha	Rat	98732		●	☆	☆	☆☆	☆☆
R	IL-1 beta	Human	98142	✓	●	☆	☆	☆☆	☆☆
	IL-1 beta	Human	65276		●	●	●	☆☆	☆☆
R	IL-1 beta	Mouse	98179		●	☆	☆	☆☆	☆☆
R	IL-1 beta	Rat	98310		●	☆	☆	☆☆	☆☆
R	IL-1 beta	Pig	98640		●	☆	☆	☆☆	☆☆
	IL-1F10	Human	60319		●	☆	●	☆☆	☆☆
R	IL-2	Human	98053	✓	●	☆	●	☆☆	☆☆
R	IL-2	Mouse	98055	✓	●	☆	●	☆☆	☆☆
R	IL-2	Canine	98701		●	☆	☆	☆☆	☆☆
R	IL-2	Rat	98046	✓	●	●	●	☆☆	☆☆
R	IL-3	Human	98363		●	☆	☆	☆☆	☆☆
R	IL-4	Human	98138	✓	●	☆	●	☆☆	☆☆
R	IL-4	Mouse	98360		●	☆	●	☆☆	☆☆
R	IL-4	Rat	98255		●	☆	☆	☆☆	☆☆
R	IL-4	Pig	98613		●	☆	☆	☆☆	☆☆
R	IL-5	Human	98178		●	☆	☆	☆☆	☆☆
R	IL-5	Mouse	98352		●	☆	☆	☆☆	☆☆
R	IL-6	Human	98087	✓	●	☆	●	☆☆	☆☆

CYTOKINES AND CHEMOKINES

R	Target	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
R	IL-6	Mouse	98089	✓	●	☆	●	☆ ●	● ☆
R	IL-6	Pig	98703		●	☆	☆	☆ ☆	☆ ☆
R	IL-6	Canine	98680		●	☆	☆	☆ ☆	☆ ☆
R	IL-7	Human	98206		●	☆	☆	☆ ☆	☆ ☆
	IL-7	Human	65281		●	●	●	● ☆	☆ ☆
R	IL-8/CXCL8	Human	98137		●	☆	☆	☆ ☆	☆ ☆
R	IL-8/CXCL8	Canine	98689		●	☆	☆	☆ ☆	☆ ☆
R	IL-8/CXCL8	Pig	98730		●	☆	☆	☆ ☆	☆ ☆
	IL-10	Human	65286		●	☆	●	☆ ☆	● ☆
R	IL-10	Human	98525		●	☆	☆	☆ ☆	☆ ☆
R	IL-10	Pig	98712		●	☆	☆	☆ ☆	☆ ☆
R	IL-11	Mouse	98710		●	☆	☆	☆ ☆	☆ ☆
	IL-12 p35	Human	65277		●	●	●	☆ ☆	● ●
R	IL-12 p35	Rat	98594		●	☆	☆	☆ ☆	☆ ☆
R	IL-12/23 p40	Human	98277	✓	●	☆	☆	☆ ☆	☆ ☆
	IL-12/23 p40	Mouse	65097		●		●	☆ ●	●
R	IL-12/23 p40	Mouse	98004		●	☆	● ●	☆ ☆	● ☆
R	IL-12/23 p40	Rat	98623		●	☆	☆	☆ ☆	☆ ☆
R	IL-13	Human	98159		●	☆	●	☆ ●	● ☆
R	IL-13	Mouse	98003		●	☆	☆	☆ ●	● ☆
R	IL-15	Mouse	98036		●	☆	●	☆ ☆	☆ ☆
R	IL-16	Mouse	98535		●	☆	☆	☆ ☆	☆ ☆
R	IL-17A	Mouse	98005	✓	●	●	●	● ●	● ●
R	IL-17A	Rat	98564		●	☆	☆	☆ ☆	☆ ☆
R	IL-17C	Mouse	98556		●	☆	☆	☆ ☆	☆ ☆
R	IL-17E/IL-25	Mouse	98563		●	☆	☆	☆ ☆	☆ ☆
R	IL-17F	Mouse	98019		●	●	●	☆ ●	● ●
	IL-18	Human	60070		●	☆	●	☆ ●	☆ ☆
R	IL-19	Mouse	98431	✓	●	☆	☆	● ☆	● ☆
R	IL-21	Mouse	98015		●	☆	☆	☆ ☆	☆ ☆
R	IL-23 p19	Mouse	98392		●	☆	☆	☆ ☆	☆ ☆
	IL-27	Human	66164		●	☆	●	☆ ●	☆ ☆
R	IL-27 p28	Mouse	98421		●	☆	☆	☆ ☆	☆ ☆
R	IL-28A	Mouse	98388		●	☆	☆	☆ ☆	☆ ☆
R	IL-28B	Mouse	98567		●	☆	☆	☆ ☆	☆ ☆
R	IL-29	Human	98504		●	☆	☆	☆ ☆	☆ ☆
R	IL-31	Mouse	98655		●	☆	☆	☆ ☆	☆ ☆
R	IL-33	Human	98364		●	☆	☆	☆ ☆	☆ ☆

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R	Target	Reactivity	Catalog No.	FcZero	Pure	Violet	Blue	Yellow	Red
	M-CSF	Human	65283		●	☆	●	☆ ☆	● ●
R	M-CSF	Rat	98641		●	☆	☆	☆ ☆	☆ ☆
R	SCF	Human	98592		●	☆	☆	☆ ☆	☆ ☆
R	SEMA4A	Mouse	98513		●	☆	☆	☆ ☆	☆ ☆
R	TGF beta 1	Mouse	98506		●	☆	☆	☆ ☆	☆ ☆
R	TNF Alpha	Human	98064	✓	●	☆	●	● ● ●	● ☆
R	TNF Beta	Human	98056	✓	●	☆	● ●	● ●	● ●
R	TNFSF4/OX40L	Mouse	98381		●	☆	☆	● ☆	☆ ☆
R	TNFSF5/CD40L	Mouse	98120		●	☆	☆	☆ ☆	☆ ☆
R	TNFSF5/CD40L	Mouse	65129		●	☆	●	● ●	● ●
R	TNFSF8/CD30L	Human	98253		●	☆	☆	☆ ☆	☆ ☆
R	TNFSF8/CD30L	Mouse	98113	✓	●	☆	●	● ●	● ☆
R	TNFSF9/4-1BBL	Human	98163	✓	●	☆	☆	☆ ☆	☆ ☆
R	TNFSF10/TRAIL	Human	98139	✓	●	☆	☆	● ☆	● ☆
R	TNFSF13/APRIL	Mouse	98331		●	☆	☆	☆ ☆	☆ ☆
R	TNFSF14/LIGHT	Mouse	98627		●	☆	☆	☆ ☆	☆ ☆
R	TNFSF15	Mouse	98658		●	☆	☆	☆ ☆	☆ ☆
R	TNFSF18	Human	98403		●	☆	☆	☆ ☆	☆ ☆
R	TNFSF18	Mouse	98423		●	☆	☆	☆ ☆	☆ ☆
R	TSLP	Human	98247		●	☆	☆	☆ ☆	☆ ☆

humankine®

GMP Grade Cytokines and Growth Factors

- ✓ Animal component-free
- ✓ Endotoxin-free
- ✓ Xeno-free
- ✓ Tag-free
- ✓ Carrier-free



Transcription Factors and Cell Signaling

Transcription factors and other cell signaling molecules are critical targets for understanding the functional activity of a cell. They can be used alongside CD markers to analyze the functional profile of specific cell types within a heterogenous population.

R	Target	Reactivity	Catalog No.	Pure	Violet	Blue	Yellow	Red
	AATF	Human, Mouse, Rat	67868	●	☆	●	☆ ☆	☆ ☆
	ACC1	Human, Mouse, Rat	67373	●	☆	●	☆ ●	● ☆
R	Phospho-ACC1 (Ser79)	Human, Mouse	80281-2	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-AKT (Thr308)	Human, Mouse, Rat	81232-10	●	☆	☆	☆ ☆	☆ ☆
	Phospho-AKT (Ser 473)	Human, Mouse, Rat	66444	●	☆	●	● ●	● ☆
R	AKT1	Human, Mouse, Rat	80816-1	●	☆	●	☆ ☆	☆ ☆
R	Phospho-AKT1 (Ser473)	Human, Mouse	80462-1	●	☆	●	● ●	● ☆
	ATF4	Human	60035	●	☆	●	● ☆	☆ ☆
R	BCL2	Human	80313-1			●	● ●	●
R	BCL2	Mouse	82469-6	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-BCL2 (Ser70)	Human	80771-2	●	☆	☆	☆ ☆	☆ ☆
	BCL6	Human	66340	●	☆	●	☆ ☆	● ☆
	BCLAF1	Human, Mouse, Rat	67860	●	☆	●	● ☆	☆ ☆
	Beta Catenin	Human, Mouse, Rat, Pig	66379	●	☆	●	☆ ☆	☆ ☆
R	Phospho-Beta Catenin (Ser33)	Human, Mouse, Rat	80067-1	●	☆	●	☆ ☆	● ☆
	BMP-7	Human	69011	●	☆	☆	☆ ☆	● ☆
	c-MYC	Human, Mouse, Rat	67447	●	☆	●	● ●	● ☆
	C1QBP	Human, Mouse	68084	●	☆	●	☆ ☆	☆ ☆
R	Caspase 1	Human	84735-1	●	☆	☆	☆ ☆	☆ ☆
R	Caspase 3/P17/P19	Human, Mouse	82202-1	●	☆	●	☆ ☆	☆ ☆
	Cleaved Caspase 3/P17/P19	Human, Mouse, Rat	68773	●	☆	☆	☆ ☆	☆ ☆
	Caspase 7	Human, Mouse, Rat	67956			●		
	Caspase 8/P43/P18	Human, Mouse	13423			●		
	Caspase 9/p35/p10	Human, Mouse, Rat	10380			●	●	●
R	Phospho-Caspase 9 (Ser196)	Human, Mouse	80346-1			●	● ●	●
R	Caspase 10	Human	85196-3	●	☆	☆	☆ ☆	☆ ☆
	CBFB	Human	67885			●		
R	Phospho-CHEK2 (Thr68)	Human	81740-1	●	☆	●	☆ ☆	● ☆
	CRCP	Human, Mouse, Rat	14348			●	●	●
	CREB1	Human, Mouse, Rat, Monkey	12208			●	●	●
R	Phospho-CREB1 (Ser133)	Human, Mouse	81871-1				●	
	CREB3L1,OASIS	Human, Mouse, Rat	67617			●		
R	Phospho-CRKL (Tyr207)	Human, Mouse	84590	●	☆	●	☆ ☆	☆ ☆

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TRANSCRIPTION FACTORS AND CELL SIGNALLING

R	Target	Reactivity	Catalog No.	Pure	Violet	Blue	Yellow	Red
	DDX3	Human, Rat	67915	●	☆	●	☆ ☆	☆ ☆
R	DDX39A	Human, Mouse	83083-5	●	☆	●	☆ ☆	☆ ☆
R	EGFR	Human	83806-1	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-EGFR (Tyr869)	Human	84839-1	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-EGFR (Tyr1197)	Human	84906-1	●	☆	☆	☆ ☆	☆ ☆
R	EIF2S1	Human, Mouse, Rat	82936-1	●	☆	●	☆ ☆	☆ ☆
	Phospho-EIF2S1 (Ser51)	Human, Mouse, Rat	68023	●	☆	●	☆ ☆	☆ ☆
	EIF4E	Human, Mouse, Rat	66655			●	●	●
R	Phospho-EIF4E (Ser209)	Human	84981-1	●	☆	☆	☆ ☆	☆ ☆
R	ERK1/2	Human, Mouse, Rat	83533-1	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-ERK1/2 (Thr202/Tyr204)	Human, Mouse	80031-1	●	☆	●	☆ ●	● ☆
	Foxp3	Mouse	65089	●	☆	●	● ☆	● ☆
	GATA1	Human, Mouse, Rat, Pig	60011			●	●	
	GATA2	Human, Mouse	67722			●		
	GSK3B	Human, Pig	67329			●	●	●
	Phospho-GSK3B (Ser9)	Human	67558			●	●	●
R	Phospho-Hamartin/TSC1 (Ser511)	Human, Mouse	80340-1	●	☆	●	● ●	● ☆
	HIF-1 alpha	Human	20960					●
R	HIF-1 beta	Human, Rat	84650-4	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-Histone H2A.X (Ser139)	Human, Mouse, Rat	83307-2	●	☆	☆	☆ ☆	☆ ☆
R	Acetyl-Histone H2B (Lys5)	Human, Mouse	83171-4			●		
R	Histone H3	Human, Mouse, Rat	81984-2	●	☆	☆	☆ ☆	☆ ☆
R	Mono-Methyl-Histone H3 (Lys36)	Human, Mouse, Rat	82825-2	●	☆	☆	☆ ☆	☆ ☆
R	Di-Methyl-Histone H3 (Arg2)	Human, Mouse, Rat	84702-1	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-Histone H3 (Thr3)	Human, Mouse, Rat	84739-1	●	☆	●	☆ ☆	☆ ☆
	Phospho-Histone H3 (Ser10)	Human, Rat, Mouse, Pig	66863	●	☆	●	☆ ☆	☆ ☆
	HSP27	Human, Mouse, Rat, Zebrafish	66767			●		●
R	Phospho-HSP27 (Ser15)	Human	83332-3	●	☆	●	☆ ☆	● ☆
R	HSP47	Human, Mouse	83689-3	●	☆	☆	☆ ☆	☆ ☆
	HSP47	Human, Mouse, Rat	67863			●	●	
	HSP60	Human, Mouse, Rat	66041			●		
	HSP70	Human, Mouse, Rat, Yeast	66183			●	●	
R	HSP90	Human, Mouse, Rat	83950-5	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-IkB Alpha (Ser32/36)	Human, Mouse, Rat	82349-1	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-IkB Beta (Thr19/Ser23)	Human	84403-1	●	☆	☆	☆ ☆	☆ ☆
	IRAK1	Human, Mouse, Rat	10478			●	●	●
	IRF1	Human, Mouse, Rat	11335			●		
	IRF3	Human	11312			●	●	
R	Phospho-IRF3 (Ser396)	Human	80519-2	●	☆	☆	☆ ☆	☆ ☆
	ITCH	Human, Mouse, Rat	67757			●		

TRANSCRIPTION FACTORS AND CELL SIGNALLING

R	Target	Reactivity	Catalog No.	Pure	Violet	Blue	Yellow	Red
R	JNK	Human, Mouse, Rat	81629-1	●	☆	●	☆ ☆	☆ ☆
R	Phospho-JNK (Tyr185)	Human, Mouse	80024-1	●	☆	☆	☆ ☆	☆ ☆
	JUN	Human, Mouse, Rat	66313			●		
R	Phospho-JUN (Ser73)	Human, Mouse	80086-1	●	☆	●	☆ ●	● ●
R	Phospho-JUN (Thr91/93)	Human, Mouse	81667-2	●	☆	●	☆ ●	● ☆
R	JUNB	Human	84922-6	●	☆	☆	☆ ☆	☆ ☆
R	JUND	Human	83134-6	●		●	☆ ☆	☆ ☆
	KLF5	Human, Mouse	66850	●	☆	☆	☆ ☆	☆ ☆
	MAP2K4	Human	67333			●	●	
R	MEK1/2	Human, Mouse, Rat	84967-1	●	☆	☆	☆ ☆	☆ ☆
	Phospho-MEK1 (Thr292)	Human, Mouse, Rat	67873	●	☆	●	☆ ☆	☆ ☆
R	Phospho-MEK1 (Ser298)	Human	84691-1	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-MEK1 (Thr386)	Human	81304-1	●	☆	☆	☆ ☆	☆ ☆
	MEK6	Human, Mouse	12745			●		●
	MITF	Human, Mouse, Rat	13092					●
R	Phospho-MST1 (Thr183)/ MST2 (Thr180)	Human, Mouse	80093-1	●	☆	●	☆ ☆	● ☆
R	mTOR	Human, Mouse, Rat	81670-1	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-mTOR (Ser2448)	Human, Rat	80596-1			●	● ●	●
	Phospho-mTOR (Ser2448)	Human, Mouse	67778	●	☆	●	☆ ●	● ☆
	Phospho-Myosin Light Chain 2 (Thr18/Ser19)	Human	29504	●	☆	●	☆ ☆	● ☆
	NEUROD1	Human	66691			●	●	
	NF-κB p65	Human	80979	●	☆	●	☆ ☆	☆ ☆
R	Phospho-NF-κB p65 (Ser468)	Human, Mouse	82335-1	●	☆	☆	☆ ☆	● ☆
R	Phospho-NF-κB p65 (Ser536)	Human, Mouse	80379-2	●	☆	☆	☆ ☆	☆ ☆
R	NRF1	Human, Mouse	83092-1	●	☆	☆	☆ ☆	☆ ☆
	NRF2, NFE2L2	Human, Mouse, Rat	80593	●	☆	●	☆ ☆	☆ ☆
	OCT4	Human, Mouse, Rat	11263			●	●	
R	OPTN	Human	83634-5	●	☆	☆	☆ ☆	☆ ☆
R	P53	Human, Zebrafish	80077-1	●	☆	●	● ●	☆ ☆
R	Phospho-P53 (Ser15)	Human	80195-1	●	☆	●	● ●	● ☆
	Phospho-P53 (Ser46)	Human	67900	●	☆	●	☆ ☆	☆ ☆
R	Phospho-P53 (Ser392)	Human	80077-2	●	☆	☆	☆ ☆	☆ ☆
	PDH E1 Alpha	Human, Mouse, Rat	66119				●	
R	Phospho-PDH E1 Alpha (Ser232)	Human	81491-1	●	☆	●	☆ ☆	☆ ☆
	PERK/EIF2AK3	Human	24390			●		
R	Phospho-PERK/EIF2AK3 (Thr982)	Human, Mouse	82534-1	●	☆	●	☆ ☆	● ☆
R	Phospho-POLR2A (Ser2)	Human	84974-1	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-POLR2A (Ser5)	Human	84834-1	●	☆	☆	☆ ☆	☆ ☆

R This clone is available as a recombinant antibody

☆ Fluorophore available through FlexAble antibody labeling kit (p.42)

R	Target	Reactivity	Catalog No.	Pure	Violet	Blue	Yellow	Red
	RB1	Human	67521			●		
R	Phospho-RB1 (Ser780)	Human	84692-1			●	●	●
R	RELB	Human, Rat	83305-6	●	☆	☆	☆ ☆	☆ ☆
	Phospho-RIPK1 (Ser161)	Human	66854	●	☆	●	● ●	● ☆
	Phospho-RPS6 (Ser235)	Human, Mouse, Rat	67898			●		
R	Phospho-RPS6KA1 (Ser380)	Human, Mouse	80108-1	●	☆	●	☆ ☆	● ☆
R	Phospho-RPS6KA1 (Thr359/Ser363)	Human, Mouse	81475-1	●	☆	☆	☆ ☆	☆ ☆
	Phospho-S6 Ribosomal protein (Ser235)	Human, Mouse, Rat	67898	●	☆	●	☆ ☆	☆ ☆
R	Phospho-S6 Ribosomal protein (Ser236)	Human, Mouse	80206-1	●	☆	●	● ●	● ☆
R	Phospho-S6 Ribosomal protein (Ser240/244)	Human	81184-1	●	☆	☆	☆ ☆	☆ ☆
R	SMAD1	Human, Mouse, Rat	85388-1	●	☆	☆	☆ ☆	☆ ☆
R	SMAD2	Human, Rat	83841-4	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-SMAD2 (Ser465/467)/ SMAD3 (Ser423/425)	Human	80427-2	●	☆	●	☆ ●	● ☆
R	SMAD4	Human, Mouse	83169-4	●	☆	●	☆ ☆	☆ ☆
	SOX2	Human, Pig, Mouse, Rat	66411	●	☆	☆	☆ ●	● ☆
R	SOX4	Human	83660-1	●	☆	☆	☆ ☆	☆ ☆
	SOX9	Human, Mouse	67439	●	☆	●	☆ ☆	☆ ☆
	SOX10	Human, Rat	66786	●	☆	●	● ●	☆ ☆
	STAT1	Human, Rat	10144			●		●
R	Phospho-STAT1 (Tyr701)	Human	82674-10	●	☆	●	☆ ●	● ☆
	STAT3	Human, Mouse, Rat	60199			●	●	●
	Phospho-STAT3 (Ser727)	Human, Mouse, Rat	60479	●	☆	☆	☆ ☆	☆ ☆
	STAT4	Human, Mouse, Rat	67568			●	●	
	Phospho-STAT5A (Tyr694)/ STAT5B (Tyr699)	Human	68000	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-STAT5A (Tyr694)/ STAT5B (Tyr699)	Human	80115-1			●	● ●	●
R	Phospho-STAT5A (Ser726)/STAT5B (Ser731)	Human	80138-2	●	☆	●	☆ ●	● ☆
	STAT5B	Human	66427			●	●	
R	STAT6	Human, Mouse, Rat	82630-1			●		
	STK11/LKB1	Human, Mouse, Rat	66719			●		
R	Phospho-STK11/LKB1 (Thr189)	Human, Mouse	80127-1	●	☆	●	● ●	● ☆
R	Phospho-TAK1 (Thr187)	Human	81785-1	●	☆	☆	☆ ●	☆ ☆
R	Phospho-TAU (Thr231)	Human	80101-7	●	☆	●	☆ ●	● ☆
R	Phospho-ULK1 (Ser556)	Human, Mouse	80218-1	●	☆	☆	☆ ☆	☆ ☆
R	Phospho-YAP1 (Ser127)	Human	80694-2	●	☆	●	☆ ●	● ☆

Common Cell Death Targets

Cell death is a fundamental process that plays critical roles in the physiology and pathology of multicellular organisms. Cell death can be regulated through precise signaling pathways or accidental, a result of unexpected cellular injury. Flow cytometry enables cell death mechanisms to be studied within cellular sub-populations through the simultaneous analysis of cell type specific markers and cell death markers.

R	Target	Reactivity	Catalog No.	Pure	Violet	Blue	Yellow	Red
	AIFM2	Human	82974	●	☆	☆	☆ ☆	☆ ☆
R	Annexin V	Human	83929	●	☆	☆	☆ ☆	☆ ☆
	ATG7	Human, Mouse, Rat, Pig	67341				●	
	ATG13	Human, Mouse, Rat, Pig	66708			●		
	BAX	Human, Mouse, Rat	60267			●	● ●	●
R	BCL2	Human	80313			●	● ●	●
	Bcl-XL	Human, Mouse, Rat	66020			●	● ●	●
R	Caspase 1	Human	84735-1	●	☆	☆	☆ ☆	☆ ☆
R	Caspase 3/P17/P19	Human, Mouse	82202-1	●	☆	●	☆ ☆	☆ ☆
	Cleaved Caspase 3/P17/P19	Human, Mouse, Rat	68773	●	☆	☆	☆ ☆	☆ ☆
	Caspase 7	Human, Mouse, Rat	67956			●		
	Caspase 8/P43/P18	Human, Mouse	13423			●		
	Caspase 9/p35/p10	Human, Mouse, Rat	10380			●	●	●
R	Phospho-Caspase 9 (Ser196)	Human, Mouse	80346-1			●	● ●	●
R	Caspase 10	Human	85196-3	●	☆	☆	☆ ☆	☆ ☆
	Cathepsin D	Human	66534	●	☆	☆	☆ ☆	☆ ☆
	CBS	Human, Rat	67861			●		
	CCAR2	Human, Pig	66497				●	
	c-MYC	Human, Mouse, Rat	67447			●	● ●	●
R	Cytochrome c	human, mouse	83276	●	☆	☆	☆ ☆	☆ ●
R	DRP1 (C-terminal)	human, mouse, rat	81561	●	☆	☆	☆ ☆	☆ ☆
	DRP1 (N-terminal)	Human, Mouse, Rat	26187					●
R	FAS/CD95	Human	98034	●	●	●	☆ ●	● ●
R	FAS/CD95	Mouse	98135	●	☆	●	☆ ●	● ☆
	Galectin-3	Human, Mouse, Rat	60207			●	● ●	●
R	Granzyme B	Human	98070	●	☆	●	☆ ●	● ☆
	GRP78/BIP	Human, Mouse, Rat	66574				●	●
R	GSDMD	Human, Mouse	80918	●	☆	●	☆ ☆	☆ ☆
	HSP27	Human, Mouse, Rat, Zebrafish	66767			●		●
R	Phospho-HSP27 (Ser15)	Human	83332-3	●	☆	●	☆ ☆	● ☆
	HSP60	Human, Mouse, Rat	66041			●		
	HSPB3	Human, Mouse, Rat, Rabbit	67890			●	●	
	IL-18	Human, Rat	60070	●	☆	●	☆ ●	☆ ☆
	MCL1	Human, Mouse, Rat	66026			●		●

R This clone is available as a recombinant antibody

☆ Fluorophore available through FlexAble antibody labeling kit (p.42)

R	Target	Reactivity	Catalog No.	Pure	Violet	Blue	Yellow	Red
	MFN2	Human, Mouse, Rat	67487			●	●	●
	NLRP3	Human	19771			●	●	
R	NRF2	Human, Mouse	80593	●	☆	●	☆ ☆	☆ ☆
	Phospho-RIPK1 (Ser161)	Human	66854	●	☆	●	● ●	● ☆
	SURVIVIN	human, mouse, rat	10508			●	●	●
	TRAF2	Human	67315			●	●	

Select Neuroscience Targets

Flow cytometry has finally armed neuroscientists with the ability to study specific neural cells from a heterogenous population and characterize their molecular or morphological features. Additionally, the technique has advanced our understanding of neuroinflammatory processes and the intricate cellular dynamics that can give rise to neurological disorders. ***Also validated in IF**

R	Target	Reactivity	Catalog No.	Pure	Violet	Blue	Yellow	Red
	14-3-3 Epsilon	human, mouse, rat	11648			●	●	●
	APOE*	human, mouse	66830			●	● ●	
	Ataxin 2*	human, mouse, rat	21776				●	
R	ATF4*	human	81798-2	●	☆	☆	☆ ☆	☆ ☆
	ATF4*	human, mouse, rat	60035			●	●	
	BAX*	Human, Mouse, Rat	60267			●	● ●	●
R	BCL2*	Human	80313-1			●	● ●	●
	Beta Tubulin*	human, mouse, rat, nematode, pig, zebrafish	66240			●	●	
R	Beta Tubulin*	human, mouse, rat, zebrafish	80713-1	●	☆	☆	☆ ☆	☆ ☆
	c-MYC*	Human, Mouse, Rat	67447			●	● ●	●
R	CORO1A*	human, mouse, rat	84602-5	●	☆	☆	☆ ☆	☆ ☆
	CPLX2	Human, Mouse, Rat	66849	●	☆	☆	☆ ●	☆ ☆
	CREST*	human, mouse, rat	12439			●		
	ELAVL4*	Human, rat, mouse, rabbit, pig	67835			●		
R	ESR2	human, mouse	83447-3	●	☆	☆	☆ ☆	☆ ☆
	Fetuin-A*	human	66094			●	●	
	FMR1*	Human, rat, mouse	66548	●	☆	●	☆ ☆	☆ ☆
	FUS/TLS*	human, mouse, rat	11570			●	●	
	FYN*	Human, Mouse, Rat	66606			●		●
	Galectin-3*	Human, Mouse, Rat	60207-1			●	● ●	●
	GATA1*	human, mouse, rat, pig	60011			●	●	
	GATA2*	Human, mouse	67722			●		
R	GATA3	Human, mouse	83808-1	●	☆	☆	☆ ☆	☆ ☆
	GFAP*	human, mouse, rat	16825					●
	GLUT1*	human, mouse	66290	●	☆	●	☆ ●	☆ ☆
	Glutamine Synthetase*	human, mouse, rat	11037				●	●
	Glutamine Synthetase*	human, mouse, rat	66323-2				●	
	HLA-DR*	Human	65218	●	●	●	● ●	● ●

NEUROSCIENCE TARGETS

R	Target	Reactivity	Catalog No.	Pure	Violet	Blue	Yellow	Red
	GFAP*	human, mouse, rat	16825					●
	GLUT1*	human, mouse	66290	●	☆	●	☆ ●	☆ ☆
	Glutamine Synthetase*	human, mouse, rat	11037				●	●
	Glutamine Synthetase*	human, mouse, rat	66323-2				●	
	HLA-DR*	Human	65218	●	●	●	● ●	● ●
	HOMER1*	human, mouse, rat	12433			●		
	HSP70*	Human, Mouse, Rat, Yeast	66183			●	●	
R	HSP90*	Human, Mouse, Rat	83950-5	●	☆	☆	☆ ☆	☆ ☆
R	IBA1*	human, mouse, rat	81728-1	●	☆	●	● ●	● ☆
	IDE*	Human, Mouse, Rat	67106			●		
	iNOS*	human, mouse, rat	18985			●	●	●
	Islet 1*	human	15661			●		
	ITPR1-specific*	human, mouse, rat	19962			●		●
R	JNK*	Human, Mouse, Rat	81629-1	●	☆	●	☆ ☆	☆ ☆
	LRP1	Human	65233	●	●	●	● ●	● ●
	MAP1B*	human, mouse	21633			●		●
	MAP2*	Human, mouse, rat	67015			●	●	
	MFN2*	Human, Mouse, Rat	67487			●	●	●
	NANOG*	human, mouse, rat	14295			●	●	●
	NCAM-1 (CD56)	Human	65264	●	●	●	● ●	● ●
	NeuN*	Human, mouse, rat	66836			●	●	●
	NEUROD1	Human, mouse	66691			●	●	
	NF-L*	human, mouse, rat	12998			●		
	NF-L*	human, mouse, rat, pig	60189				●	
	NF-M	human, mouse, rat	66396			●	●	
	Noggin	Human	69010					●
	NR4A2	Human, mouse	66878			●		
	NSE*	human, mouse, rat, pig	66150			●		
	OCT4*	human, mouse, rat	11263			●	●	
	OPTN*	human, mouse, rat	10837			●		●
R	OPTN	human	83634-5	●	☆	☆	☆ ☆	☆ ☆
	Osteopontin*	human, rat, mouse	22952			●		●
R	Osteopontin*	human, mouse	83341-1	●	☆	☆	☆ ☆	☆ ☆
	OTX2*	human, mouse, rat	13497			●		
R	PAX6*	human, mouse, rat	84345-5	●	☆	☆	☆ ☆	☆ ☆
	PICALM*	Human, Mouse, Rat	67564			●	●	
	PKC Alpha*	human, mouse, rat	21991			●		●
R	PKC Alpha	human, mouse, rat	83840-5	●	☆	☆	☆ ☆	☆ ☆
	PPP2CA*	human, mouse, rat	67809			●		
R	PPP2CA*	human	84155-6	●	☆	☆	☆ ☆	☆ ☆
	PPP3CA*	human, mouse	13422					●

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☆ Fluorophore available through FlexAble antibody labeling kit (p.42)

R	Target	Reactivity	Catalog No.	Pure	Violet	Blue	Yellow	Red
	PTBP1*	Human, mouse, rat	67462				●	
	PTK2B	Human, Mouse, Rat, Pig	67141			●		
	SMN*	Human, Mouse, Rat	60154			●	●	●
R	SMARCA4*	human, mouse, rat	83310-2	●	☆	☆	☆ ☆	☆ ☆
R	smooth muscle actin specific*	Human, mouse, rat, chicken, pig, zebrafish	80008-1	●	☆	●	☆ ●	☆ ☆
	SOD2*	Human, mouse, rat, pig	66474				● ●	
R	SOD2*	human, mouse, rat	83519-4	●	☆	☆	☆ ☆	☆ ☆
	SOX2	human, pig, mouse, rat	66411				●	●
	SOX2*	human, pig, mouse, rat	66411				●	●
	SOX9	Human, mouse	67439			●		
	SOX10*	Human, mouse, rat	66786			●	● ●	
R	Stathmin 1*	human, rat	82559			●		
	Synaptophysin*	Human, Pig, Mouse, Rat	67864			●	●	
R	Synaptophysin*	human, mouse, rat	82900-1	●	☆	☆	☆ ☆	☆ ☆
	Synaptotagmin-1	Human, Mouse, Rat, Pig, Rabbit, Chicken	68043			●		
	TBP*	human, mouse, rat, pig	66166			●		
	TDP-43*	human, mouse, rat	12892			●	●	
R	TDP-43*	human, mouse, rat	80001-1	●	☆	●	☆ ☆	☆ ☆
	TIMELESS	Human, Mouse, Rat	67022			●		
	TMEM119*	Human, Mouse	27585					●
	TOM20*	human, mouse, rat	11802			●	● ●	●
	TOM20*	Human	66777			●	● ●	●
R	TOM20*	Human, mouse, rat, pig, chicken, zebrafish	80501-1			●		
	TUBB3-specific*	human, mouse, rat, rabbit, chicken, pig	66375				●	
	VAPB*	human, mouse, rat	14477				●	●
	VGLUT1*	human, mouse, rat	55491			●		

Foxp3 / Transcription Factor Staining Buffer Kit for Flow Cytometry

Easily access nuclear targets.
Gentle enough for surface staining.

Proteintech's Foxp3 / Transcription Factor Staining Buffer Kit includes fixation and permeabilization buffers that optimize staining for flow cytometry panels that include nuclear targets as well as surface markers. Our new formula is strong enough to penetrate the nuclear membrane but gentle enough to have minimal effects on surface antigen staining.



Components

Size

Foxp3 / Transcription Factor Fix/Perm Concentrate (4X)	30 mL
Foxp3 / Transcription Factor Fix/Perm Diluent (1X)	100 mL
Flow Cytometry Perm Buffer (10X)	100 mL

ANTIBODY LABELING AND CONJUGATION

ChemBright Antibody Conjugation Kits

ChemBright is a chemical conjugation kit designed to covalently label an antibody or protein in PBS-only buffer to a CoraLite Plus fluorophore. It is a simple 6-step, 55-minute protocol that does not require column purification, so there is no antibody loss during the conjugation process.

Antibodies conjugated with ChemBright can be stored at 4°C for up to a year.

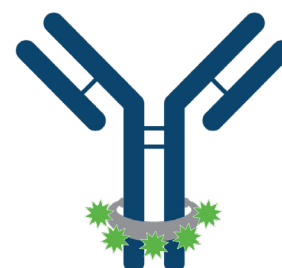


	CoraLite® Plus 405	CoraLite® Plus 488	FITC Plus	CoraLite® Plus 647	CoraLite® Plus 750	Biotin
ChemBright	PK30035	PK30030	PK30032	PK30031	PK30034	PK30033

FlexAble Antibody Labeling Kits

FlexAble Antibody Labeling Kits facilitate labeling of antibodies via an easy 15 min protocol, using a high affinity isotype & Fc specific peptide-linker that carries 5 fluorescent dyes or 2 biotin molecules. The linker attaches to the Fc fragment with picomolar affinity and high IgG species and isotype specificity, making FlexAble the ideal tool for multiplexing.

FlexAble labeling reactions require as little as 0.5 µg of primary antibody per reaction and work in all common antibody buffers without prior purification.



	CoraLite® Plus 405	CoraLite® Plus 488	FITC Plus	CoraLite® Plus 555	CoraLite® Plus 594	CoraLite® Plus 647	CoraLite® Plus 750	Biotin
Rabbit IgG	KFA506	KFA501	KFA508	KFA502	KFA509	KFA503	KFA504	KFA007
Mouse IgG1	KFA526	KFA521	KFA528	KFA522	KFA529	KFA523	KFA524	KFA027
Mouse IgG2a	KFA546	KFA541	KFA548	KFA542	KFA549	KFA543	KFA544	KFA047
Mouse IgG2b	KFA566	KFA561	KFA568	KFA562	KFA569	KFA563	KFA564	KFA067
Human IgG	KFA608	KFA604	KFA609	KFA605	KFA612	KFA606	KFA607	KFA111
Rat κ Light Chain		KFA621	KFA626	KFA622		KFA623		KFA128

Secondary Antibodies

Secondary antibodies are the traditional solution to antibody labeling and amplify the signal of the primary antibody. They are the preferred choice for staining low expressing targets

Proteintech offers a growing portfolio of secondary antibodies:

- High quality ensuring lot-to-lot consistency
- High specificity and sensitivity
- Available for a range of applications

Species Reactivities	Anti-mouse, Anti-rabbit, Anti-goat, Anti-rat, Anti-human, Anti-chicken, Anti-guinea pig, Anti-horse, Anti-sheep, Anti-swine
Conjugates	Alexa Fluor® 488, Alexa Fluor® 568, Alexa Fluor® 647, AMCA, AP, Biotin, CoraLite® 488, CoraLite® 594, CoraLite® 647, Cy3, FITC, HRP, R-PE, TRITC
Applications	Western Blot, Immunofluorescence, Immunohistochemistry, ELISA, Flow Cytometry

Alexa Fluor® is a registered trademark of Life Technologies Corporation.

SUPPORTING PRODUCTS

Cell Death and Viability Dyes

Dead cells in your sample can stain non-specifically, causing inaccurate results. Viability dyes stain dead or dying cells, allowing you to gate them out during analysis.

Catalog No.	Product Name
PD00003	Phantom Dye UV 450 Viability Dye
PD00004	Phantom Dye Violet 450 Viability Dye
PD00005	Phantom Dye Violet 510 Viability Dye
PD00006	Phantom Dye Violet 540 Viability Dye
PD00007	Phantom Dye Blue 516 Viability Dye
PD00001	Phantom Dye Red 710 Viability Dye
PD00002	Phantom Dye Red 780 Viability Dye
PF00005	CoraLite®488-Annexin V and PI Apoptosis Kit
PF00006	CoraLite®488 TUNEL Assay Apoptosis Detection Kit
PF00009	CoraLite®594 TUNEL Assay Apoptosis Detection Kit
PF00007	Viability/Cytotoxicity Assay Kit for Animal Live & Dead Cells (Calcein AM, PI Method)
PF00008	Viability/Cytotoxicity Assay Kit for Animal Live & Dead Cells (Calcein AM, EthD-1 Method)

Fix and Perm Reagents

Fix and perm reagents allow for investigation of intracellular and nuclear targets with flow cytometry. We're proud to offer you the same buffers that we use in-house for our flow cytometry product validation, from our bench to your bench™.

Catalog No.	Product Name
PF00018	Flow Cytometry Staining Buffer (1X)
PF00011	Foxp3 / Transcription Factor Staining Buffer Kit
PF00026	Flow Cytometry Phosphorylated Protein Fix/Perm Kit

Streptavidin Dyes

Catalog No.	Product Name
PF00030	Streptavidin Conjugates

Magnetic Cell Separation Kits

Proteintech's magnetic cell separation systems use highly specific, high-affinity antibodies (or streptavidin) covalently conjugated to supramagnetic polystyrene particles for quick, easy, column-free cell depletions and isolations.

Catalog No.	Product Name
KMS001	Human CD3 Magnetic Beads Kit
KMS002	Human CD4 Magnetic Beads Kit
KMS003	Human CD8 Magnetic Beads Kit
KMS004	Human CD19 Magnetic Beads Kit
KMS005	Human CD14 Magnetic Beads Kit
KMS006	Human CD16 Magnetic Beads Kit
KMS007	Human CD11b Magnetic Beads Kit
KMS302	Human CD4 Isolation Kit
KMS303	Human CD8 Isolation Kit
KMS305	Human CD4 Memory T Cell Isolation Kit
KMS307	Human CD8 Memory T Cell Isolation Kit
KMS308	Human NK Cell Isolation Kit
KMS309	Human CD3 T Cell Isolation Kit
KMS301	Mouse Lineage Depletion Kit
KMS310	Human CD3/CD28 T cell Activation Beads Kit
KMS311	Mouse CD3/CD28 T Cell Activation Beads Kit
MS001	Streptavidin Magnetic Beads

Other Supporting Reagents

Catalog No.	Product Name
PF00020	Monocyte Blocking Reagent
PF00031	Mouse Fc Blocking Reagent
PF00032	Human Fc Blocking Reagent
PF00029	Human/Mouse 3-in-1 Blocking Reagent
PF00014	RBC Lysis Buffer (10X)

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