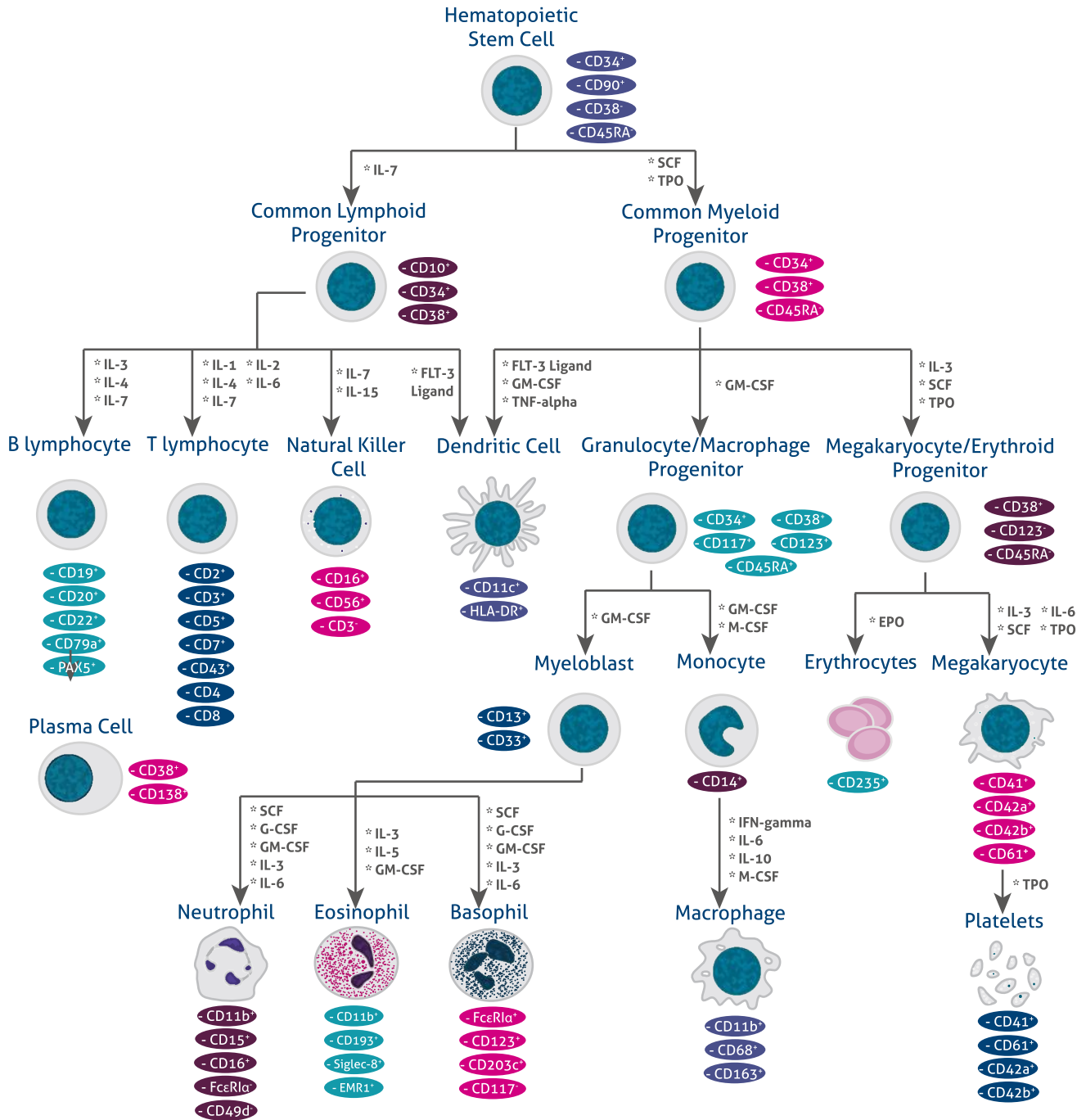


Haematopoietic Stem Cells



Legend

*X	Cytokines and Growth Factors	X ⁺	Expressed
-X	Hematopoietic Cell Markers	X ⁻	Not expressed

*turn over to discover products for the above targets

Humankine Active Cytokines and Growth Factors

Research Grade

Protein	Cat no.	Purity	Activity	Source	
EPO	HZ-1168	>95%	0.2-1.4 ng/mL	HEK293	*
FLT-3 Ligand	HZ-1151	>95%	0.4-3.0 ng/mL	HEK293	*
G-CSF	HZ-1207	>95%	0.015-0.07 ng/mL	HEK293	*
GM-CSF	HZ-1002	>95%	0.08-0.8 ng/mL	HEK293	*
IFN gamma	HZ-1301	>95%	0.008-0.05 ng/mL	HEK293	*
IL-1 beta	HZ-1164	>95%	0.01-0.05 ng/mL	HEK293	*
IL-2	HZ-1015	>95%	0.45-4.5 ng/mL	HEK293	*
IL-3	HZ-1074	>95%	0.4-2 ng/mL	HEK293	*
IL-4	HZ-1004	>95%	0.1-0.5 ng/mL	HEK293	*
IL-6	HZ-1019	>95%	0.01-0.5 ng/mL	HEK293	*
IL-7	HZ-1281	>95%	0.1-0.9 ng/mL	HEK293	*
IL-10	HZ-1145	>95%	0.1-0.5 ng/mL	HEK293	*
M-CSF	HZ-1192	>95%	0.8-4.0 ng/mL	HEK293	*
SCF	HZ-1024	>95%	3.5-23.0 ng/mL	HEK293	*
TNF alpha	HZ-1014	>95%	0.006-0.03 ng/mL	HEK293	*
TPO	HZ-1248	>95%	1.0-5.0 ng/mL	HEK293	*

GMP grade

Protein	Cat no.	Purity	Activity	Source
FLT-3 Ligand	HZ-1151-GMP	>95%	0.4-3 ng/mL	HEK293
G-CSF	HZ-1207-GMP	>95%	0.009-0.05 ng/mL	HEK293
GM-CSF	HZ-1002-GMP	>95%	0.1-0.8 ng/mL	HEK293
IL-4	HZ-1004-GMP	>95%	0.05-0.3 ng/mL	HEK293

Primary Antibodies

Target	Cat no.	Type	Applications	
CD2	23973-1-AP	Rabbit Poly	FC, IF, IHC, WB, ELISA	
CD2	60005-1-Ig	Mouse Mono	IHC, WB, ELISA	
CD3	17617-1-AP	Rabbit Poly	FC, IF, IHC, IP, WB, ELISA	*
CD3	60181-1-Ig	Mouse Mono	FC, IF, IHC, WB, ELISA	*
CD4	19068-1-AP	Rabbit Poly	IP, WB, ELISA	*
CD4	67786-1-Ig	Mouse Mono	IF, IHC, ELISA	
CD5	17227-1-AP	Rabbit Poly	IHC, IP, WB, ELISA	*
CD5	67278-1-Ig	Mouse Mono	IF, IHC, ELISA	
CD7	60209-1-Ig	Mouse Mono	IF, IHC, ELISA	
CD7	60209-2-Ig	Mouse Mono	IHC, WB, ELISA	
CD8a	66868-1-Ig	Mouse Mono	IF, IHC, WB, ELISA	*
CD10	10479-2-AP	Rabbit Poly	IF, IHC, IP, WB, ELISA	**
CD11b	65116-1-Ig	Mouse Mono	FC	*
CD11b	66519-1-Ig	Mouse Mono	FC, IF, IHC, WB, ELISA	*
CD11c	17342-1-AP	Rabbit Poly	FC, IHC, WB, ELISA	*
CD11c	60258-1-Ig	Mouse Mono	IHC, WB, ELISA	*
CD13	14553-1-AP	Rabbit Poly	FC, IF, IHC, WB, ELISA	*
CD13	66211-1-Ig	Mouse Mono	FC, IF, IHC, WB, ELISA	*
CD14	17000-1-AP	Rabbit Poly	FC, IF, IHC, WB, ELISA	*
CD14	60253-1-Ig	Mouse Mono	IF, IHC, WB, ELISA	*
CD16	16559-1-AP	Rabbit Poly	FC, IHC, WB, ELISA	*
CD16	66779-1-Ig	Mouse Mono	IHC, ELISA	
CD19	27949-1-AP	Rabbit Poly	IHC, WB, ELISA	
CD19	66298-1-Ig	Mouse Mono	FC, IHC, WB, ELISA	*
CD20	24828-1-AP	Rabbit Poly	FC, IF, IHC, IP, WB, ELISA	*
CD20	60271-1-Ig	Mouse Mono	FC, IF, IHC, WB, ELISA	*
CD22	21894-1-AP	Rabbit Poly	IHC, WB, ELISA	*
CD22	66103-1-Ig	Mouse Mono	IF, IHC, WB, ELISA	
CD33	17425-1-AP	Rabbit Poly	FC, IF, IHC, WB, ELISA	*
CD33	67135-1-Ig	Mouse Mono	IHC, WB, ELISA	
CD34	14486-1-AP	Rabbit Poly	IF, IHC, WB, ELISA	*
CD34	60180-1-Ig	Mouse Mono	FC, IF, WB, ELISA	*
CD38	25284-1-AP	Rabbit Poly	FC, IHC, WB, ELISA	*
CD38	60006-1-Ig	Mouse Mono	FC, IF, WB, ELISA	**
CD41	18308-1-AP	Rabbit Poly	IHC, ELISA	*
CD41	24552-1-AP	Rabbit Poly	IHC, IP, WB, ELISA	*
CD42a	14564-1-AP	Rabbit Poly	IHC, WB, ELISA	

Key	
*	KO/KD
*	Citations
**	>100 Citations



Primary Antibodies continued

Target	Cat no.	Type	Applications
CD42a	67271-1-Ig	Mouse Mono	IHC, WB, ELISA
CD42b	12860-1-AP	Rabbit Poly	IHC, WB, ELISA *
CD42b	67857-1-Ig	Mouse Mono	WB, ELISA
CD43	13959-1-AP	Rabbit Poly	IHC, WB, ELISA
CD43	66224-1-Ig	Mouse Mono	FC, IF, IHC, WB, ELISA
CD49d	19676-1-AP	Rabbit Poly	FC, IHC, WB, ELISA **
CD49d	67040-1-Ig	Mouse Mono	WB, ELISA
CD56	14255-1-AP	Rabbit Poly	FC, IHC, WB, ELISA **
CD56	60238-1-Ig	Mouse Mono	IHC, WB, ELISA *
CD61	18309-1-AP	Rabbit Poly	IP, WB, ELISA *
CD61	66952-1-Ig	Mouse Mono	WB, ELISA *
CD68	25747-1-AP	Rabbit Poly	FC, IF, IHC, IP, ELISA *
CD79a	22349-1-AP	Rabbit Poly	FC, IF, IHC, WB, ELISA
CD90	66766-1-Ig	Mouse Mono	IF, IHC, WB, ELISA *
CD117	18696-1-AP	Rabbit Poly	FC, IF, IHC, WB, ELISA *
CD123	13655-1-AP	Rabbit Poly	WB, ELISA
CD138	10593-1-AP	Rabbit Poly	IHC, WB, ELISA *
CD138	60185-1-Ig	Mouse Mono	WB, ELISA
CD138	67155-1-Ig	Mouse Mono	IF, IHC, ELISA
CD165	16646-1-AP	Rabbit Poly	FC, IF, IHC, WB, ELISA *
CD193	22351-1-AP	Rabbit Poly	IHC, ELISA
CD235	15874-1-AP	Rabbit Poly	FC, IHC, WB, ELISA
CD235	66778-1-Ig	Mouse Mono	IHC, WB, ELISA
EMR1	27044-1-AP	Rabbit Poly	IHC, WB, ELISA *
FcεR1a	10980-1-AP	Rabbit Poly	WB, ELISA *
HLA-DRA	17221-1-AP	Rabbit Poly	FC, IHC, IP, WB, ELISA *
HLA-DRA	65218-1-Ig	Mouse Mono	FC
PAX5	26709-1-AP	Rabbit Poly	FC, IHC, IP, WB, ELISA **
PAX5	60349-1-Ig	Mouse Mono	IHC, WB, ELISA

These antibodies are also available as directly conjugated antibodies for IF and flow cytometry

ELISA Kits

Target	Cat no.	Species	Range	Sensitivity
EPO	KE00153	Human	4.7-300 mIU/mL	0.2 mIU/mL *
G-CSF	KE00106	Human	31.25-2000 pg/mL	0.4 pg/mL
IL-1 beta	KE00021	Human	3.9-250 pg/mL	1.5 pg/mL *
IL-2	KE00017	Human	15.6-1000 pg/mL	3.6 pg/mL
IL-3	KE00185	Human	7.8-500 pg/mL	0.18 pg/mL
IL-4	KE00016	Human	15.6-1000 pg/mL	2.2 pg/mL *

AuthentiKine ELISA kits

Target	Cat no.	Species	Range	Sensitivity
FLT-3 Ligand	KE00197	Human	15.6-1000 pg/mL	0.15 pg/mL
IFN gamma	KE00146	Human	7.8-500 pg/mL	0.4 pg/mL
IL-6	KE00139	Human	7.8-500 pg/mL	1.2 pg/mL
IL-10	KE00170	Human	15.6-1000 pg/mL	2.3 pg/mL
M-CSF	KE00184	Human	15.6-1000 pg/mL	1.1 pg/mL
TNF alpha	KE00154	Human	15.6-1000 pg/mL	8.6 pg/mL

NeutraKine Neutralizing Antibodies

Protein	Cat no.	Type	Applications	ND ₅₀
EPO	69019-1-Ig	Mouse Mono	Neutralization	2-5 ug/mL
GM-CSF	69005-1-Ig	Mouse Mono	Neutralization	1.5-4 ug/mL
IL-6	69001-1-Ig	Mouse Mono	Neutralization	3-15 ng/mL
IL-10	69018-1-Ig	Mouse Mono	Neutralization	50-200 ng/mL
TNF alpha	69002-1-Ig	Mouse Mono	Neutralization	10-50 ng/mL