

FcZero-rAb® Human Mesenchymal Stem Cell Basics Panel

General Information

Catalog Number: PK30060

Stability and Storage: 1 year from receipt at 2 to 8°C

Formulation: PBS with 0.09% sodium azide and 0.5% BSA

Applications: FC

Reactivity: Human

Size: 100 tests, 5 µL each per 10⁶ cells

Panel Components

Fluorochrome (ex/em)	Catalog No.	Size	Target	Clone	Isotype	Description
CoraLite Plus 488 (493 nm/522 nm)	CL488-FcA65608	100 tests	CD44	F10-44-2	Rabbit IgG	Positive marker for Mesenchymal Stem Cells
CoraLite Plus 647 (654 nm/674 nm)	CL647-FcA98126	100 tests	CD90	241290B2	Rabbit IgG	Positive marker for Mesenchymal Stem Cells
PE-Cyanine7 (496, 565 nm/778 nm)	PY7-FcA98013-2	100 tests	CD105	241196D9	Rabbit IgG	Positive marker for Mesenchymal Stem Cells
PE (496, 565 nm/578 nm)	PE-FcA65564	100 tests	CD73	AD2	Rabbit IgG	Positive marker for Mesenchymal Stem Cells
CoraLite Plus 405 (399 nm/422 nm)	PK31002	100 tests	Lineage Cocktail (CD45, CD34, CD14, CD11b, CD19, HLA-DR)	241670E10, 242069A6, 230332D7, ICRF44, 4G7, L243	Rabbit IgG	Negative markers for Mesenchymal Stem Cells

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AB/405	FITC/488	PE/555	APC/647	PE-Cyanine7
Lineage Cocktail	CD44 (F10-44-2)	CD73 (AD2)	CD90 (241290B2)	CD105 (241196D9)

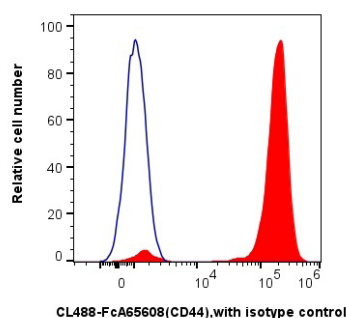
Product Description

Mesenchymal stem cells (MSCs) are multipotent stromal cells that have the capacity of self-renewal and the potential to differentiate into multiple cell types. MSCs have been found in a variety of tissues.

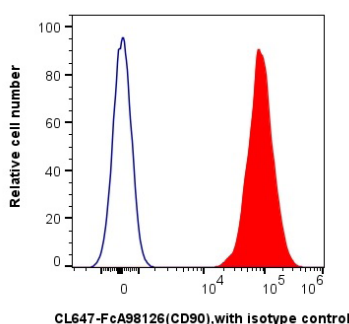
This panel is designed for the investigation of human MSCs. It contains a mesenchymal stem cell lineage cocktail and antibodies for MSCs positive markers CD44, CD90, Endoglin/CD105, and CD73.

Validation Data *Sample: Human mesenchymal stem cells*

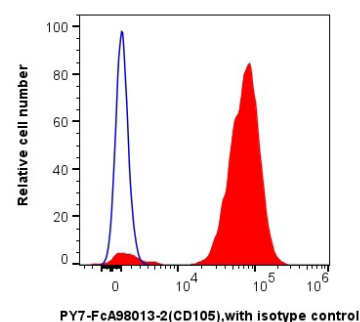
CD44 expression



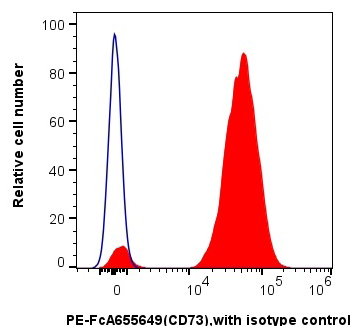
CD90 expression



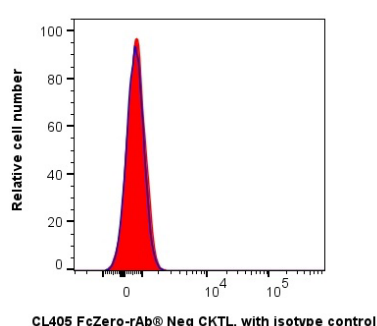
CD105 expression



CD73 expression



**CD45/CD34/CD14/CD11b/CD19/
HLA-DR expression**



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