

For Research Use Only

FcZero-rAb® Human Monocyte Basics

Panel

Catalog Number: PK30054



www.ptglab.com

Product Information

Monocytes are immune cells that monitor for signals of infection or tissue damage and respond through phagocytosis and antigen presentation or differentiation into macrophages or dendritic cells. This panel is designed for the investigation of Monocytes (CD14+/HLA-DR+) and for the further separation of the Monocyte population into Classical, Intermediate, and non-Classical Monocyte subpopulations.

Components

Fluorochrome (ex/em)	Catalog No	Size	Target	Clone	Isotype	Description
CoraLite Plus 750 (755 nm/780 nm)	CL750-FcA65570	100 tests	CD3	UCHT1	Rabbit IgG	Negative on monocytes
PE (496, 565 nm/578 nm)	PE-FcA65560	100 tests	HLA-DR	L243	Rabbit IgG	Monocyte marker
CoraLite Plus 488 (493 nm/522 nm)	CL488-FcA98040	100 tests	CD14	230332D7	Rabbit IgG	Monocyte marker
CoraLite Plus 405 (399 nm/422 nm)	CL405-FcA65612	100 tests	CD16	3G8	Rabbit IgG	Distinguishes Classical vs. non-Classical Monocytes
APC (650 nm/661 nm)	APC-FcA65572	100 tests	CD64	10.1	Rabbit IgG	High expression on Classical Monocytes

Concentration: 5 antibodies (1 vial each), 100 tests (5 uL/test) per vial.

Package

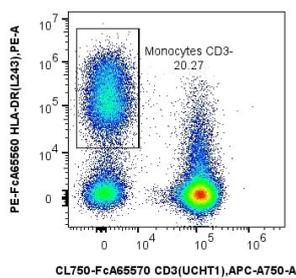
100 tests

Storage

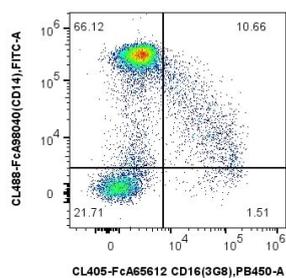
Storage Buffer: PBS with 0.09% sodium azide and 0.5% BSA.

Storage Conditions: Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

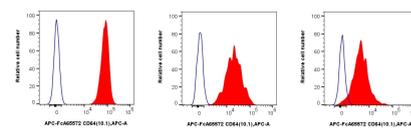
Validation Data



1x10⁶ Human PBMCs were stained with PK30054 FcZero-rAb® Human Monocyte Basics Panel. CD3-/HLA-DR+ cells are gated. Cells were not fixed.



1x10⁶ Human PBMCs were stained with PK30054 FcZero-rAb® Human Monocyte Basics Panel. CD14 and CD16 expression on CD3-/HLA-DR+ monocytes are shown. Cells were not fixed.



1x10⁶ Human PBMCs were stained with PK30054 FcZero-rAb® Human Monocyte Basics Panel. CD64 expression on CD14bright/CD16- (left), CD14+CD16+ (mid) and CD14dimCD16+ (right) cells is shown. Parent population: CD3-/HLA-DR+ cells.

For technical support and original validation data for this product please contact

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