

For Research Use Only

Non-Human Primate Phenotyping

Basics Panel

Catalog Number: PK30057



Product Information

Non-human primate models are uniquely valuable for studying human immune responses, as their close biological and physiological similarities to humans provide the most accurate approximation of disease progression and treatment outcomes.

This panel is designed for the analysis of non-human primate samples to distinguish immune cell types, including T cells (CD3 positive), B cells (CD20 positive), NK Cells (CD3-/CD16+), and myeloid cells (CD11b+). T Lymphocytes can further be separated into helper T lymphocytes (CD4 positive) and cytotoxic T lymphocytes (CD8 positive).

Components

Fluorochrome (ex/em)	Catalog No	Size	Target	Clone	Isotype	Description
Coralite Plus 405 (399 nm/422 nm)	CL405-98117-5	100 tests	CD45	251964B9	Rabbit IgG	Leukocyte marker
Coralite Plus 488 (493 nm/522 nm)	CL488-65575	100 tests	CD20	2H7	Mouse IgG2a	B cell marker
APC (650 nm/660 nm)	APC-FcA98319-2	100 tests	CD3	SP34	Rabbit IgG	T cell marker
PerCP (482 nm/677 nm)	CP-98042	100 tests	CD4	240427E12	Rabbit IgG	Helper T cell marker
Coralite Plus 594 (594 nm/615 nm)	CL594-98470-2	100 tests	CD8	243018F10	Rabbit IgG	Cytotoxic T cell marker
PE (496, 565 nm/578 nm)	PE-FcA65612	100 tests	CD16	3G8	Mouse IgG2a	NK cell marker
Coralite Plus 750 (755 nm/780 nm)	CL750-65672	100 tests	CD11b	M1/70	Rat IgG2a	Myeloid cell marker

Concentration: 7 antibodies (1 vial each), 100 tests (5 uL/test) per vial.

100 tests

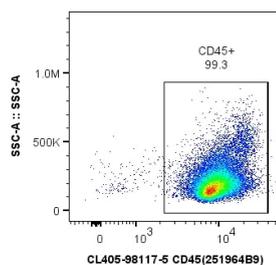
Package

Storage

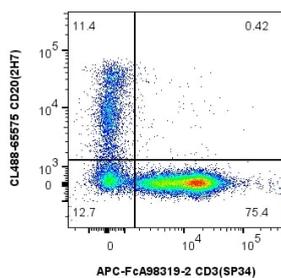
Storage Buffer: PBS with 0.09% sodium azide and 0.5% BSA.

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

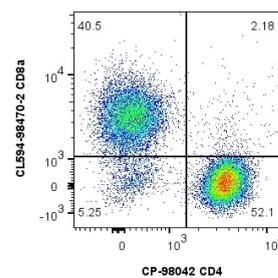
Validation Data



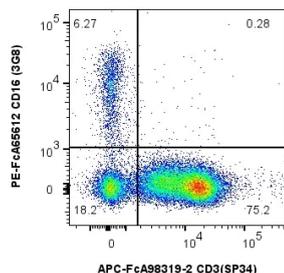
1x10⁶ cynomolgus PBMCs were stained with PK30057 Non-Human Primate Phenotyping Basics Panel. CD45+ cells are gated. Cells were not fixed.



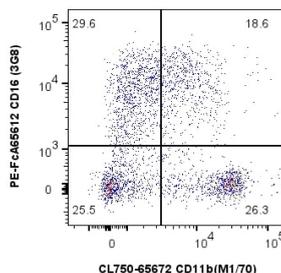
1x10⁶ cynomolgus PBMCs were stained with PK30057 Non-Human Primate Phenotyping Basics Panel. CD3 and CD20 expression on CD45+ cells are shown. Cells were not fixed.



1x10⁶ cynomolgus PBMCs were stained with PK30057 Non-Human Primate Phenotyping Basics Panel. CD4 and CD8a expression on CD45+CD3+CD20- T cells are shown. Cells were not fixed.



1x10⁶ cynomolgus PBMCs were stained with PK30057 Non-Human Primate Phenotyping Basics Panel. CD3 and CD16 expression on CD45+ cells are shown. Cells were not fixed.



1x10⁶ cynomolgus PBMCs were stained with PK30057 Non-Human Primate Phenotyping Basics Panel. CD11b and CD16 expression on CD45+CD3-CD20- T cells are shown. Cells were not fixed.

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

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