

For Research Use Only

Human NK Cell Basics Panel

Catalog Number: PK30009



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Description

NK cells are innate immune cells that quickly respond to "non-self" signals by releasing cytotoxic granules. This panel is designed for the investigation of Natural Killer Cells (CD226 positive) and for the initial separation of the NK Cell population into subpopulations. The PE channel is left open.

Panel Components

Fluorochrome (ex/em)	Catalog No	Target	Clone	Isotype	Description
CoraLite Plus 750 (755 nm/780 nm)	CL750-65133	CD3	OKT3	Mouse IgG2ak	Negative in NK Cells
APC (650 nm/661 nm)	APC-65247	CD226	11A8	Mouse IgG1k	NK Cell Marker
FITC Plus (495 nm/524 nm)	FITC-65264	CD56	B-A19	Mouse IgG1	Distinguishes NK Cell subpopulations
Cardinal Red (592 nm/611 nm)	CR-65090	CD16	3G8	Mouse IgG1k	Distinguishes NK Cell subpopulations
Atlantic Blue (404 nm/458 nm)	AB-65203	CD7	4H9	Mouse IgG2ak	Mature NK Cell Marker

Package

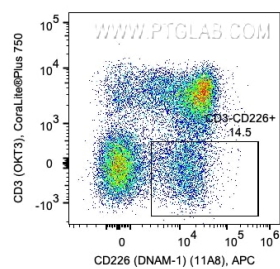
5x100 tests

Storage

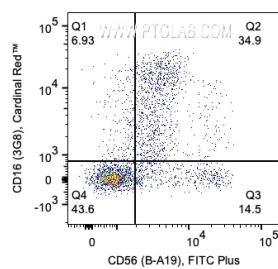
Storage Buffer: PBS with 0.09% sodium azide and 0.5% BSA.

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

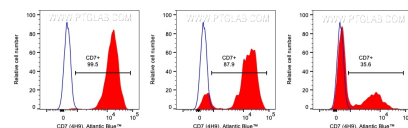
Validation Data



1x10⁶ Human PBMCs were stained with PK30009 Human NK Cell Basics Panel. CD3-/CD226+ cells are gated. Parent population: lymphocytes. Cells were not fixed.



1x10⁶ Human PBMCs were stained with PK30009 Human NK Cell Basics Panel. CD56 and CD16 expression on CD3-/CD226+ lymphocytes are shown. Cells were not fixed.



1x10⁶ Human PBMCs were stained with PK30009 Human NK Cell Basics Panel. CD7 expression on CD56dim/CD16bright (left), CD56bright/CD16- (middle), and CD56-/CD16- double negative (right) cells. Parent population: CD3-/CD226+ cells followed by CD56/CD16 gated cells. Cells were not fixed.

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

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