

For Research Use Only

Human T Cell Basics Panel

Catalog Number: PK30007



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Description

T lymphocytes are immune cells that respond to foreign antigens by secreting cytokines (CD8+ Cytotoxic T cells) and coordinating the immune response (CD4+ Helper T cells). This panel is designed for the investigation of T lymphocytes (CD3 positive) and for the further separation of the T lymphocyte population into Helper T Lymphocyte (CD4 positive) and Cytotoxic T Lymphocyte (CD8 positive) subpopulations. The PE channel is left open.

Panel Components

Fluorochrome (ex/em)	Catalog No	Target	Clone	Isotype	Description	Size
Cardinal Red (592 nm/611 nm)	CR-65109	CD45	HI30	Mouse IgG1k	Lymphocyte marker	100 tests, 5uL/test
Coralite Plus 405 (399 nm/422 nm)	CL405-6515 1	CD3	UCHT1	Mouse IgG1k	T cell marker	100 tests, 5uL/test
Coralite Plus 750 (755 nm/780 nm)	CL750-6519 7	CD19	4G7	Mouse IgG1k	B cell marker	100 tests, 5uL/test
Coralite Plus 488 (493 nm/522 nm)	CL488-6513 4	CD4	OKT4	Mouse IgG2bk	Helper T cell marker	100 tests, 5uL/test
Coralite Plus 647 (654 nm/674 nm)	CL647-6513 5	CD8a	OKT8	Moues IgG2ak	Cytotoxic T cell marker	100 tests, 5uL/test

Package

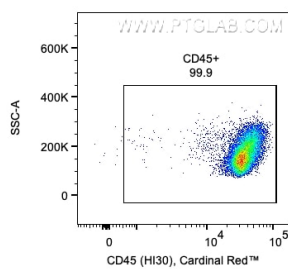
5x100 tests

Storage

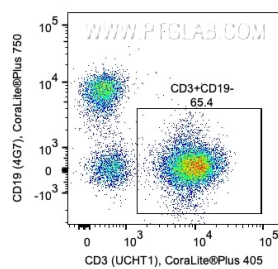
Storage Buffer: PBS with 0.09% sodium azide and 0.5% BSA.

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

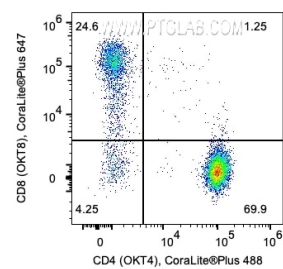
Validation Data



1x10⁶ Human PBMCs were stained with PK30007 Human T Cell Basics Panel. CD45+ cells are gated. Parent population: lymphocytes. Cells were not fixed.



1x10⁶ Human PBMCs were stained with PK30007 Human T Cell Basics Panel. CD3+/CD19- cells are gated. Parent population: CD45+ lymphocytes. Cells were not fixed.



1x10⁶ Human PBMCs were stained with PK30007 Human T Cell Basics Panel. CD4 and CD8 expression on CD45+CD3+CD19- lymphocytes are shown. Cells were not fixed.

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

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