

Human T Cell Basics Panel

General Information

Catalog Number: PK30007

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: 5x100 tests, 5µL per 10⁶ cells

Panel Components

Fluorochrome (ex/em)	Catalog No.	Target	Clone	Isotype	Description
Cardinal Red (592 nm/611 nm)	CR-65109	CD45	HI30	Mouse IgG1κ	Lymphocyte marker
CoraLite Plus 405 (399 nm/422 nm)	CL405-65151	CD3	UCHT1	Mouse IgG1κ	T Cell marker
CoraLite Plus 750 (755 nm/780 nm)	CL750-65197	CD19	4G7	Mouse IgG1κ	B Cell marker
CoraLite Plus 488 (493 nm/522 nm)	CL488-65134	CD4	OKT4	Mouse IgG2bk	Helper T Cell marker
CoraLite Plus 647 (654 nm/674 nm)	CL647-65135	CD8a	OKT8	Mouse IgG2ak	Cytotoxic T Cell marker

Proteintech Group, Inc.

(HQ in North America)

5500 Pearl Street, Ste 400

Rosemont, IL 60018, USA

P +1 (888) 478-4522 (toll free in USA)

F +1 (773) 598-4321

+1 (847) 928-2189

E proteintech@ptglab.com

Proteintech Europe

P +44 161 839 3007

F +44 161 241 3103

E europe@ptglab.com

Proteintech China

E proteintech-CN@ptglab.com

Proteintech Singapore

P +65 9785 0861

E singapore@ptglab.com

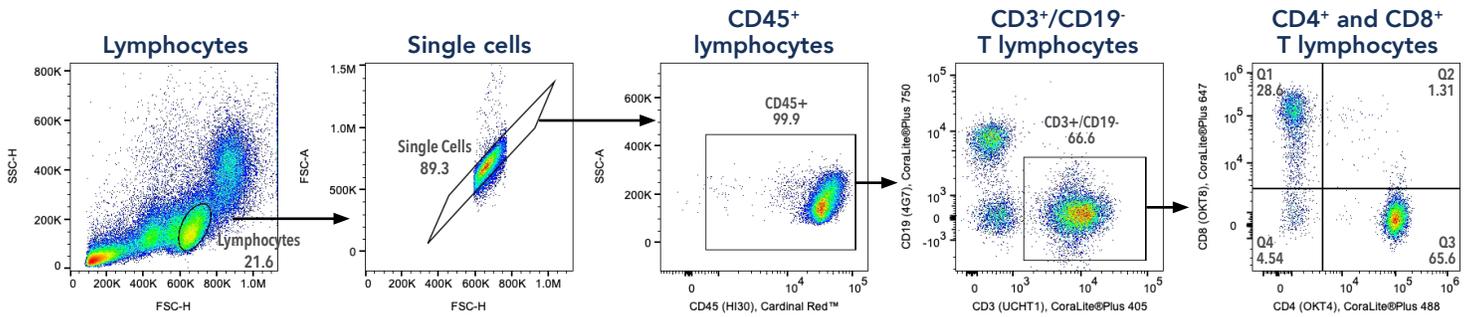
AB/405	FITC/488	PE/555	CR/594	APC/647	750
CD3 (UCHT1)	CD4 (OKT4)		CD45 (HI30)	CD8a (OKT8)	CD19 (4G7)

Product Description

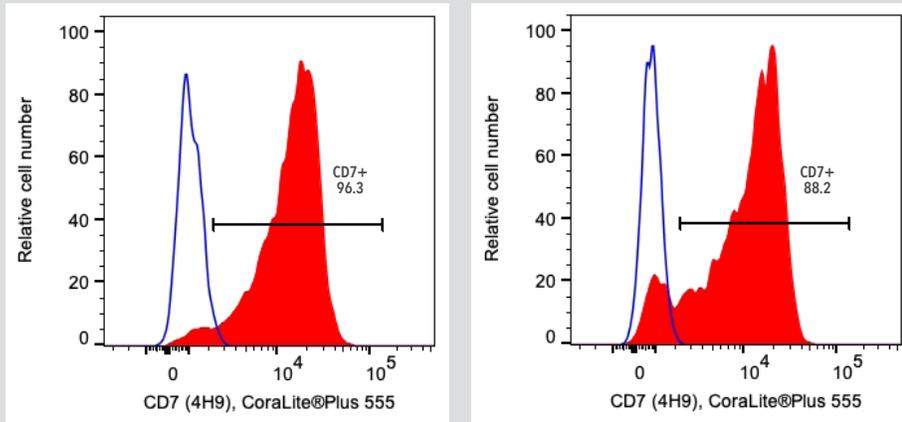
T lymphocytes are immune cells that respond to foreign antigens by secreting cytokines (CD8⁺ Cytotoxic T cells) and coordinating the immune response (CD4⁺ Helper T cells).

This panel is designed for the investigation of T lymphocytes (CD3⁺) and for the further separation of the T lymphocyte population into Helper T lymphocyte (CD4⁺) and Cytotoxic T lymphocyte (CD8⁺) subpopulations. The PE channel is left open.

Validation Data *Sample: Human PBMCs*



Validation Data with Drop-in Target



CoraLite® Plus 555 Anti-Human CD7 (CL555-65203) was used in addition to the Human T Cell Basics Panel. **Left:** CD8⁺ Cytotoxic T lymphocytes were gated. **Right:** CD4⁺ Helper T lymphocytes were gated.

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