

For Research Use Only

# Human B Cell Basics Panel

Catalog Number: PK30008



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## Description

B lymphocytes are immune cells that produce antibodies to neutralize pathogens and foreign substances. This panel is designed for the investigation of B lymphocytes (CD19 positive) and for the initial separation of the B lymphocyte population into further subpopulations by developmental stage. The PE channel is left open.

## Panel Components

Fluorochrome (ex/em)	Catalog No	Target	Clone	Isotype	Description
FITC Plus (495 nm/524 nm)	<a href="#">FITC-65109</a>	CD45	HI30	Mouse IgG1k	Lymphocyte marker
CoraLite Plus 750 (755 nm/780 nm)	<a href="#">CL750-65151</a>	CD3	UCHT1	Mouse IgG1k	T cell marker
CoraLite Plus 647 (654 nm/674 nm)	<a href="#">CL647-65197</a>	CD19	4G7	Mouse IgG1k	B cell marker
Cardinal Red (592 nm/611 nm)	<a href="#">CR-65085</a>	CD20	2H7	Mouse IgG2bk	B cell marker
Atlantic Blue (404 nm/458 nm)	<a href="#">AB-65198</a>	CD21	BU32	Mouse IgG1k	Expression varies depending on B cell development stage

## Package

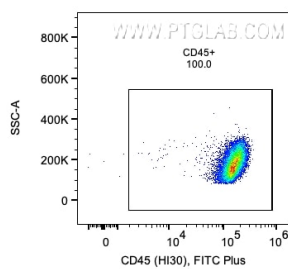
5x100 tests

## Storage

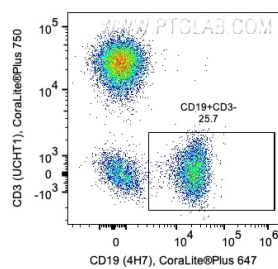
Storage Buffer: PBS with 0.09% sodium azide and 0.5% BSA.

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

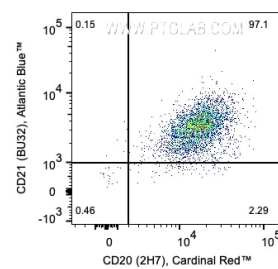
## Validation Data



1 x 10<sup>6</sup> Human PBMCs were stained with PK30008 Human B Cell Basics Panel. CD45+ cells are gated. Parent population: lymphocytes. Cells were not fixed.



1 x 10<sup>6</sup> Human PBMCs were stained with PK30008 Human B Cell Basics Panel. CD3-/CD19+ cells are gated. Parent population: CD45+ lymphocytes. Cells were not fixed.



1 x 10<sup>6</sup> Human PBMCs were stained with PK30008 Human B Cell Basics Panel. CD20 and CD21 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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