

For Research Use Only

# Human B Cell Basics Panel

Catalog Number: PK30008

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

## Package

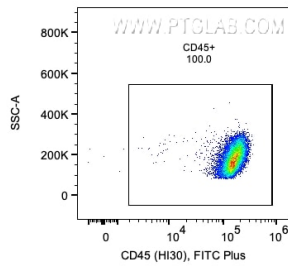
5x100 tests

## Storage

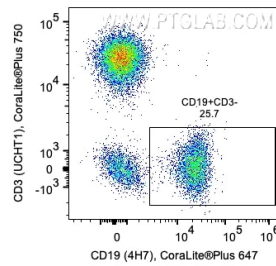
Storage Buffer: PBS with 0.09% sodium azide and 0.5% BSA.

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

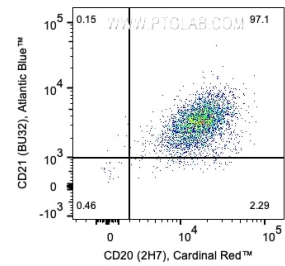
## Validation Data



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

T: 1 (888) 4PTGLAB(1-888-478-4522)(toll free in USA), or  
1(312) 455-8498(outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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