

## FITC Anti-Human CD45RA Antibody[HI100]

**Catalog Number:** GFH1052C

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

|                                |                                                                                                                                                          |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Human                                                                                                                                                    |
| <b>Host</b>                    | Mouse                                                                                                                                                    |
| <b>Isotype</b>                 | Mouse IgG2b, κ                                                                                                                                           |
| <b>Clone No.</b>               | HI100                                                                                                                                                    |
| <b>Isotype Control</b>         | FITC Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812C]                                                                                       |
| <b>Conjugation</b>             | FITC                                                                                                                                                     |
| <b>Conjugation Information</b> | FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                      |

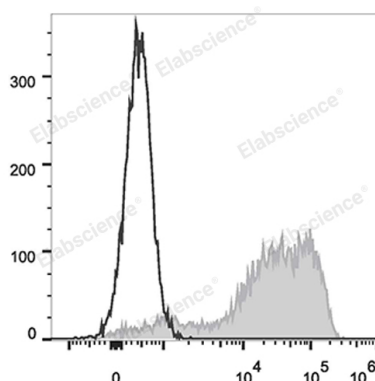
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Human peripheral blood lymphocytes are stained with FITC Anti-Human CD45RA Antibody (filled gray histogram).

Unstained lymphocytes (empty black histogram) are used as control.

### Preparation & Storage

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag                                                                                                                                                   |

### Antigen Information

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| <b>Alternate Names</b> | CD45;L-CA;Ly-5;Ptpcr;Receptor-type tyrosine-protein phosphatase C;T200 |
| <b>Gene ID</b>         | 5788                                                                   |

### For Research Use Only

## Background

CD45RA is a 205-220 kD single chain type I glycoprotein. It is an exon 4 splice variant of the tyrosine phosphatase CD45. The CD45RA isoform is expressed on resting/naïve T cells, medullary thymocytes, B cells and monocytes. CD45RA enhances both T cell receptor and B cell receptor signaling. CD45 non-covalently associates with lymphocyte phosphatase-associated phosphoprotein (LPAP) on T and B lymphocytes. CD45 has been reported to be associated with several other cell surface antigens including CD1, CD2, CD3, and CD4. CD45 has also been reported to bind galectin-1. CD45 isoform expression can change in response to cytokines.