

## PE/Cyanine5.5 Anti-Human CD45RA Antibody[HI100]

**Catalog Number:** E-AB-F1052I

**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, $\kappa$
<b>Clone No.</b>	HI100
<b>Isotype Control</b>	PE/Cyanine5.5 Mouse IgG2b, $\kappa$ Isotype Control[MPC-11] [Product E-AB-F09812I]
<b>Conjugation</b>	PE/Cyanine 5.5
<b>Conjugation Information</b>	PE/Cyanine5.5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 690 nm (e.g., a 690/50 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

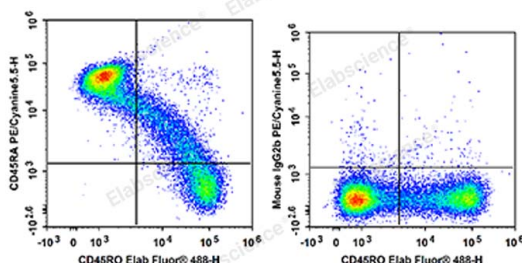
### Applications

### 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L 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 Elab

Fluor® 488 Anti-Human CD45RO Antibody and PE/Cyanine5.5 Anti-Human CD45RA Antibody (Left).

Lymphocytes are stained with Elab Fluor® 488 Anti-Human CD45RO Antibody and PE/Cyanine5.5 Mouse IgG2b,  $\kappa$  Isotype Control (Right).

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. 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

### For Research Use Only

<b>Alternate Names</b>	CD45;L-CA;Ly-5;Ptpcr;Receptor-type tyrosine-protein phosphatase C;T200
<b>Uniprot ID</b>	P08575
<b>Gene ID</b>	5788
<b>Background</b>	<p>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.</p>

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