

# Anti-Human CD45RA (HI100)

Catalog Number: 65108-1-Ig

## Basic Information

**Catalog Number:**

65108-1-Ig

**Size:**

100ug, 0.5 mg/ml

**Source:**

Mouse

**Isotype:**

IgG2b, kappa

**GenBank Accession Number:**

BC014239

**GeneID (NCBI):**

5788

**ENSEMBL Gene ID:**

ENSG00000081237

**UNIPROT ID:**

P08575

**Full Name:**

protein tyrosine phosphatase,  
receptor type, C

**Purification Method:**

Affinity purification

**CloneNo.:**

HI100

## Applications

**Tested Applications:**

FC

**Species Specificity:**

human

## Background Information

CD45, also known as protein tyrosine phosphatase, receptor type C, is a type I transmembrane protein expressed on the surface of all haematopoietic cells with the exception of erythrocytes and platelets (PMID: 3489673; 28615666). CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling (PMID: 9429890; 16378097). CD45 exists as multiple isoforms due to alternative splicing of three exons (4, 5, and 6, designated A, B, and C) in the extracellular domain (PMID: 12414720). CD45RA is expressed on naïve T cells, B cells, and monocytes (PMID: 1830500; 14687231).

## Storage

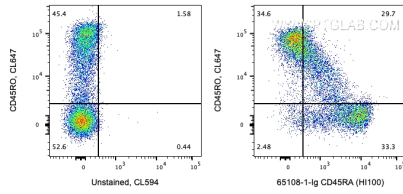
**Storage:**

Store at 2-8°C. Stable for one year after shipment.

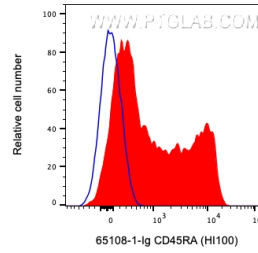
**Storage Buffer:**

PBS with 0.09% sodium azide.

## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with CL647 Anti-Human CD45RO and 0.2 ug Anti-Human CD45RA (65108-1-Ig, Clone:HI100) and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 or unstained. Cells were not fixed. Lymphocytes were gated.



1X10<sup>6</sup> human PBMCs were surface stained with 0.2 ug Anti-Human CD45RA (65108-1-Ig, Clone:HI100) and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red) or unstained. Cells were not fixed. Lymphocytes were gated.