

For Research Use Only

# PerCP-Cyanine5.5 Anti-Human CD45RA (HI100)

Catalog Number: CPY5-65108



## Basic Information

Catalog Number:

CPY5-65108

Size:

100 tests, 5 µl/test

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

Excitation/Emission maxima  
wavelengths:

482 nm / 690nm

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

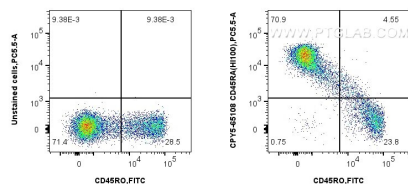
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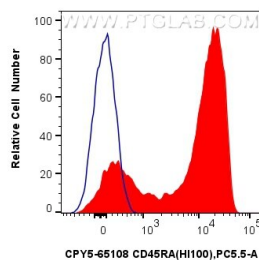
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with FITC Plus Anti-Human CD45RO, and 5 ul PerCP-Cyanine5.5 Anti-Human CD45RA (HI100) (CPY5-65108, Clone: HI100) or unstained. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul PerCP-Cyanine5.5 Anti-Human CD45RA (HI100) (CPY5-65108, Clone: HI100) (red), or unstained (blue). Cells were not fixed. Lymphocytes were gated.