

For Research Use Only

# APC Anti-Human CD45RA (HI100)

Catalog Number: APC-65108



## Basic Information

<b>Catalog Number:</b> APC-65108	<b>GenBank Accession Number:</b> BC014239	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests, 5 µl/test	<b>GeneID (NCBI):</b> 5788	<b>CloneNo.:</b> HI100
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000081237	<b>Recommended Dilutions:</b> IF 1:150-1:600
<b>Isotype:</b> IgG2b, kappa	<b>UNIPROT ID:</b> P08575	<b>Excitation/Emission maxima wavelengths:</b> 650 nm / 660 nm
	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	

## Applications

<b>Tested Applications:</b> FC, IF/ICC	<b>Positive Controls:</b> IF : human peripheral blood mononuclear cells,
<b>Species Specificity:</b> 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 naive 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:**  
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

For technical support and original validation data for this product please contact:

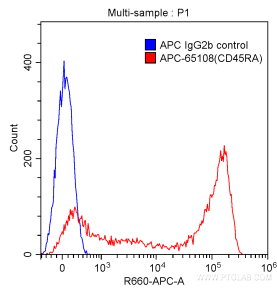
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

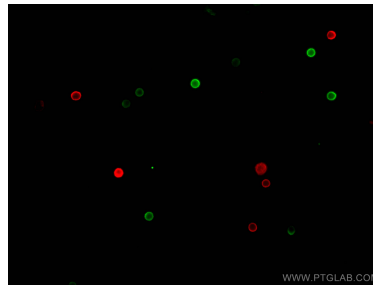
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 0.125 ug APC-Anti-Human CD45RA (APC-65108, clone HI100) (red) or 0.125 ug APC-mouse IgG2b isotype control (blue). Cells were not fixed.



Immunofluorescent analysis of human peripheral blood mononuclear cells (PBMCs) using APC Anti-Human CD45RA (APC-65108, Clone: HI100) and CoraLite®488-conjugated Anti-Human CD45RO (CL488-65150, Clone: UCHL1) at dilution of 1:300.