

For Research Use Only

# Anti-Human CD45RA (F8-11-13) Mouse IgG2a Recombinant Antibody, PBS Only

Catalog Number: 65590-1-PBS



## Basic Information

<b>Catalog Number:</b> 65590-1-PBS	<b>GenBank Accession Number:</b> BC014239	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1mg, 2mg/ml	<b>GeneID (NCBI):</b> 5788	<b>CloneNo.:</b> F8-11-13
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000081237	
<b>Isotype:</b> IgG2a	<b>UNIPROT ID:</b> P08575	
	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	
	<b>Calculated MW:</b> 1304 aa, 147 kDa	

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

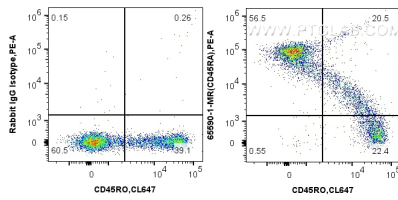
T: 4006900926

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

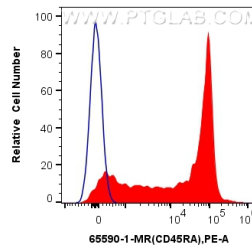
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD45RA (F8-11-13) Mouse IgG2a RecAb (65590-1-MR, Clone:F8-11-13), or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) and PE-conjugated Goat Anti-Mouse Ig. Cells were then stained with Coralite® Plus 647 Anti-Human CD45RO (UCHL1). Cells were not fixed. This data was developed using the same antibody clone with 65590-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD45RA (F8-11-13) Mouse IgG2a RecAb (65590-1-MR, Clone: F8-11-13) (red) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue), and PE-conjugated Goat Anti-Mouse IgG. Cells were not fixed. This data was developed using the same antibody clone with 65590-1-PBS in a different storage buffer formulation.