

For Research Use Only

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

Catalog Number: 65590-1-PBS



Basic Information

Catalog Number:

65590-1-PBS

Size:

1mg, 2mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC014239

GeneID (NCBI):

5788

ENSEMBL Gene ID:

ENSG00000081237

UNIPROT ID:

P08575

Full Name:

protein tyrosine phosphatase, receptor type, C

Calculated MW:

1304 aa, 147 kDa

Purification Method:

Protein A purification

CloneNo.:

F8-11-13

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.

Storage Buffer:

PBS only, pH7.3

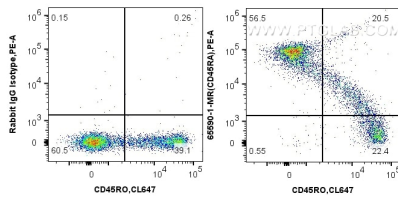
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

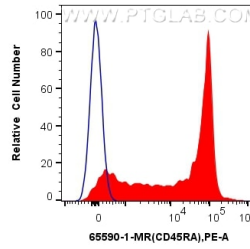
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ 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.



1x10⁶ 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.