

For Research Use Only



Anti-Rat CD45RA (OX-33) Mouse IgG2a Recombinant Antibody

Catalog Number: 65578-1-MR

Basic Information

Catalog Number:

65578-1-MR

Size:

100ug, 1 mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

XM_006249910

GeneID (NCBI):

24699

Full Name:

protein tyrosine phosphatase,
receptor type, C

Calculated MW:

143 kDa

Purification Method:

Protein A purification

CloneNo.:

OX-33

Applications

Tested Applications:

FC

Species Specificity:

rat

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 signaling (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.

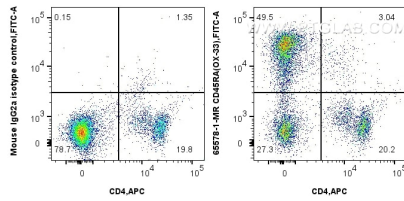
For technical support and original validation data for this product please contact:

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

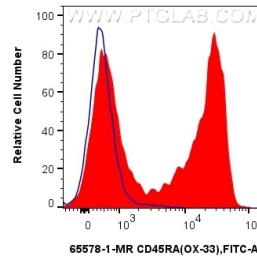
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ rat splenocytes were surface stained with 0.25 ug Anti-Rat CD45RA Mouse IgG2a Recombinant Antibody (65578-1-MR, Clone: OX-33) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4) and FITC anti-Mouse IgG2a Antibody. Cells were then stained with APC Anti-Rat CD4. Cells were not fixed.



1x10⁶ rat splenocytes were surface stained with 0.25 ug Anti-Rat CD45RA Mouse IgG2a Recombinant Antibody (65578-1-MR, Clone: OX-33) (red) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4) (blue) and FITC anti-Mouse IgG2a Antibody. Cells were not fixed.