

For Research Use Only



# CoraLite® Plus 750 Anti-Rat CD45RA (OX-33) Mouse IgG2a Recombinant Antibody

Catalog Number: **CL750-65578**

## Basic Information

Catalog Number: CL750-65578	GenBank Accession Number: XM_006249910	Purification Method: Protein A purification
Size: 100ug , 500 µg/ml	GeneID (NCBI): 24699	CloneNo.: OX-33
Source: Mouse	Full Name: protein tyrosine phosphatase, receptor type, C	Excitation/Emission maxima wavelengths: 755 nm / 780 nm
Isotype: IgG2a	Calculated MW: 143 kDa	

## 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).

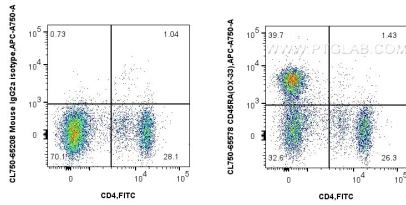
## Storage

Storage:  
Store at 2-8°C. Avoid exposure to light.  
Storage Buffer:  
PBS with 0.09% sodium azide.

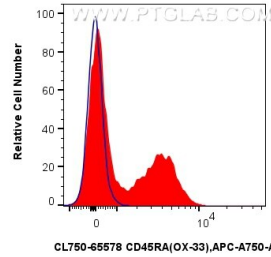
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## Selected Validation Data



1x10<sup>6</sup> rat splenocytes were surface stained with FITC Plus Anti-Rat CD4 and 0.25 ug CoraLite® Plus 750 Anti-Rat CD45RA (OX-33) Mouse IgG2a Recombinant Antibody (CL750-65578, Clone:OX-33) (right), or CoraLite® Plus 750 Mouse IgG2a Isotype Control (C1.18.4) (CL750-65208, Clone: C1.18.4) (left). Cells were not fixed.



1x10<sup>6</sup> rat splenocytes were surface stained with 0.25 ug CoraLite® Plus 750 Anti-Rat CD45RA (OX-33) Mouse IgG2a Recombinant Antibody (CL750-65578, Clone: OX-33) (red), or CoraLite® Plus 750 Mouse IgG2a Isotype Control (C1.18.4) (CL750-65208, Clone: C1.18.4) (blue). Cells were not fixed.