

For Research Use Only



# CoraLite® Plus 647 Anti-Rat CD45RA (OX-33) Mouse IgG2a Recombinant Antibody

Catalog Number: **CL647-65578**

## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL647-65578	XM_006249910	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ug , 500 µg/ml	24699	OX-33
Source:	Full Name:	Excitation/Emission maxima wavelengths:
Mouse	protein tyrosine phosphatase, receptor type, C	654 nm / 674 nm
Isotype:	Calculated MW:	
IgG2a	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).

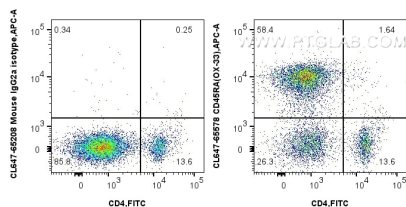
## Storage

Storage:  
Store at 2-8°C. Avoid exposure to light.  
Storage Buffer:  
PBS with 0.09% sodium azide and 0.5% BSA.

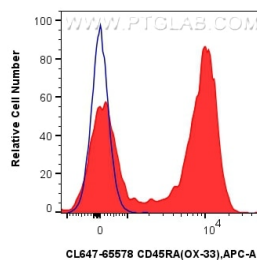
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



1x10<sup>6</sup> rat splenocytes were surface stained with FITC Plus Anti-Rat CD4 and 0.25 ug CoraLite® Plus 647 Anti-Rat CD45RA Mouse IgG2a Recombinant Antibody (CL647-65578, Clone: OX-33), or CoraLite® Plus 647 Mouse IgG2a Isotype Control (CL647-65208, Clone: C1.18.4). Cells were not fixed.



1x10<sup>6</sup> rat splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Rat CD45RA Mouse IgG2a Recombinant Antibody (CL647-65578, Clone: OX-33) (red), or CoraLite® Plus 647 Mouse IgG2a Isotype Control (CL647-65208, Clone: C1.18.4) (blue). Cells were not fixed.