

For Research Use Only

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



Catalog Number: PE-65578

## Basic Information

Catalog Number:

PE-65578

Size:

100ug, 200 µg/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

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## 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.

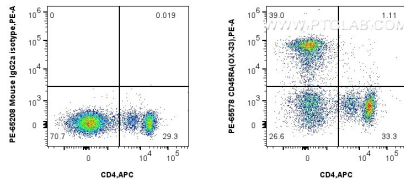
For technical support and original validation data for this product please contact:

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## Selected Validation Data



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