

For Research Use Only

# FcZero-rAb™ CoraLite® Plus 647 Anti-Rat CD45RA (OX-33) Rabbit IgG Recombinant Antibody

Catalog Number: CL647-FcA65578



## Basic Information

Catalog Number:

CL647-FcA65578

Size:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

XM\_006249910

GeneID (NCBI):

24699

UNIPROT ID:

P04157

Full Name:

protein tyrosine phosphatase, receptor type, C

Calculated MW:

143 kDa

Purification Method:

Protein A purification

CloneNo.:

OX-33

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC

Species Specificity:

rat

Positive Controls:

FC : rat splenocytes,

## 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

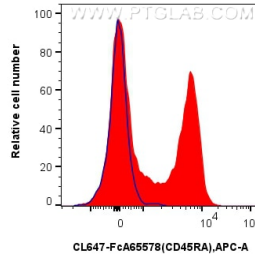
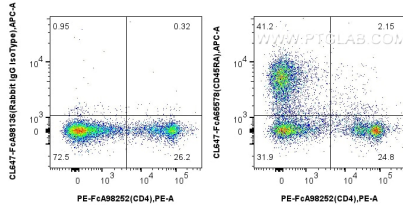
For technical support and original validation data for this product please contact:

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## Selected Validation Data



$1 \times 10^6$  rat splenocytes were surface stained with PE Anti-Rat CD4, and 0.25 ug CoraLite® Plus 647 Anti-Rat CD45RA (OX-33) Rabbit IgG RecAb (CL647-FcA65578, Clone: OX-33) or 0.25 ug Rabbit IgG Isotype Control RecAb (CL647-FcA98136, Clone: 240953C9). Cells were not fixed.

$1 \times 10^6$  rat splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Rat CD45RA (OX-33) Rabbit IgG RecAb (CL647-FcA65578, Clone: OX-33) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (CL647-FcA98136, Clone: 240953C9)(blue). Cells were not fixed.