

For Research Use Only

# FcZero-rAb™ APC Anti-Rat CD45RA (OX-33) Rabbit IgG Recombinant Antibody

Catalog Number: APC-FcA65578



## Basic Information

**Catalog Number:**

APC-FcA65578

**Size:**

100ug, 200 µg/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: 0.1 ug per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

650 nm / 660 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 naive 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 and 0.5% BSA, pH7.3

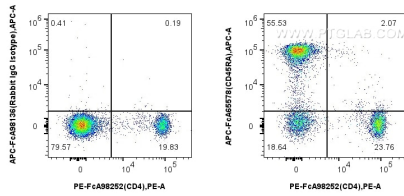
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> rat splenocytes were surface stained with FcZero-rAb™ PE Anti-Rat CD4, and 0.1 ug APC Anti-Rat CD45RA (OX-33) Rabbit IgG RecAb (APC-FcA65578, Clone:OX-33) or APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9). Cells were not fixed.