

For Research Use Only

# FcZero-rAb® PE-Cyanine5.5 Anti-Rat CD45RA (OX-33) Rabbit Recombinant Antibody

Catalog Number: PY5P5-FcA65578



## Basic Information

**Catalog Number:**

PY5P5-FcA65578

**Size:**

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

**Excitation/Emission maximum wavelengths:**

496 nm, 565 nm / 692 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 and 0.5% BSA, pH7.3

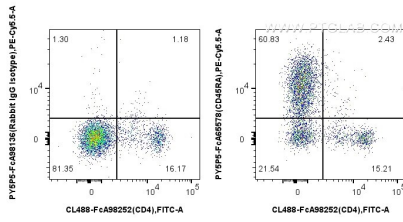
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

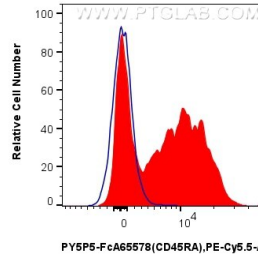
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## Selected Validation Data



1x10<sup>6</sup> rat splenocytes were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Rat CD4, and 0.1 ug PE-Cyanine5.5 Anti-Rat CD45RA (OX-33) Rabbit RecAb (PY5P5-FcA65578, Clone: OX-33) or FcZero-rAb® PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were not fixed.



1x10<sup>6</sup> rat splenocytes were surface stained with 0.1 ug PE-Cyanine5.5 Anti-Rat CD45RA (OX-33) Rabbit RecAb (PY5P5-FcA65578, Clone: OX-33) (red) or FcZero-rAb® PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were not fixed.