

For Research Use Only

FcZero-rAb™ APC-Cyanine7 Anti-Rat CD45RA (OX-33) Rabbit Recombinant Antibody

Catalog Number: AY7-FcA65578



Basic Information

Catalog Number:

AY7-FcA65578

Concentration:

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: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

650 nm / 778 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:

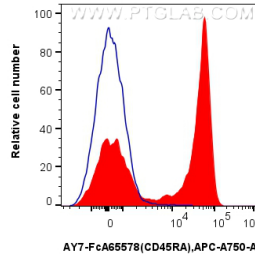
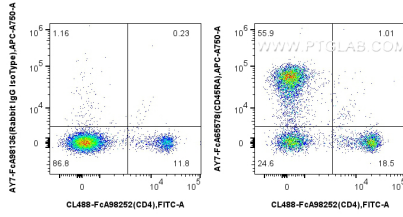
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10^6 rat splenocytes were surface stained with CoraLite® Plus 488 Anti-Rat CD4, and 0.25 μ g APC-Cyanine7 Anti-Rat CD45RA (OX-33) Rabbit IgG RecAb (AY7-FcA65578, Clone: OX-33) or 0.25 μ g Rabbit IgG Isotype Control RecAb (AY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were not fixed.

1×10^6 rat splenocytes were surface stained with 0.25 μ g APC-Cyanine7 Anti-Rat CD45RA (OX-33) Rabbit IgG RecAb (AY7-FcA65578, Clone: OX-33) (red) or 0.25 μ g Rabbit IgG Isotype Control RecAb (AY7-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were not fixed.