

For Research Use Only

# FcZero-rAb® PE-Cyanine7 Anti-Rat CD45RA (OX-33) Rabbit Recombinant Antibody

Catalog Number: PY7-FcA65578



## Basic Information

<b>Catalog Number:</b> PY7-FcA65578	<b>GenBank Accession Number:</b> XM_006249910	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , 200 ug/ml	<b>GeneID (NCBI):</b> 24699	<b>CloneNo.:</b> OX-33
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P04157	<b>Recommended Dilutions:</b> FC: 0.1 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 778 nm
	<b>Calculated MW:</b> 143 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : rat splenocytes,
<b>Species Specificity:</b> 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 naive T cells, B cells, and monocytes (PMID: 1830500; 14687231).

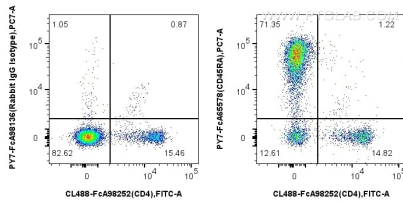
## Storage

**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

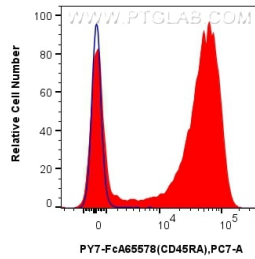
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

## 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-Cyanine7 Anti-Rat CD45RA (OX-33) Rabbit IgG RecAb (PY7-FcA65578, Clone: OX-33) or FcZero-rAb™ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-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-Cyanine7 Anti-Rat CD45RA (OX-33) Rabbit IgG RecAb (PY7-FcA65578, Clone: OX-33) (red) or FcZero-rAb™ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.