

For Research Use Only

# PE Anti-Rat CD45RA (OX-33)

Catalog Number: PE-65234



## Basic Information

<b>Catalog Number:</b> PE-65234	<b>GenBank Accession Number:</b> XM_006249910	<b>Purification Method:</b> N/A
<b>Size:</b> 100ug , 200 µg/ml	<b>GeneID (NCBI):</b> 24699	<b>CloneNo.:</b> OX-33
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P04157	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
<b>Isotype:</b> IgG1, kappa	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	
	<b>Calculated MW:</b> 143 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
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 signalling (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

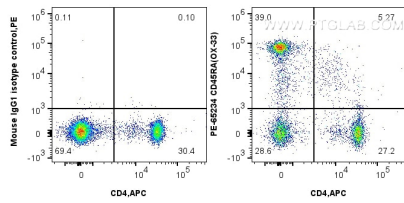
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA.

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

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## Selected Validation Data



1x10<sup>6</sup> rat splenocytes were surface stained with 0.1 ug PE Anti-Rat CD45RA (OX-33) (PE-65234, Clone: OX-33) or 0.1 ug PE Mouse IgG1 Isotype Control (MOPC-21) (PE-65124, Clone: MOPC-21), and APC Anti-Rat CD4 (OX-35) (APC-65179, Clone: OX-35). Cells were not fixed.