

For Research Use Only

PE Anti-Rat CD45RA (OX-33)

Catalog Number: PE-65234



Basic Information

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

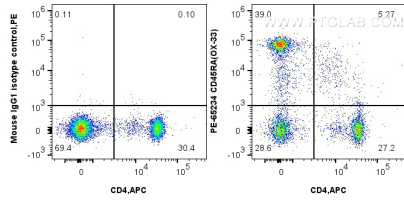
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ 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.