

# PE Anti-Rat CD45RA (OX-33)

Catalog Number: **PE-65234**

## Basic Information

**Catalog Number:**

PE-65234

**Size:**

100ug, 200 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1, kappa

**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:**

N/A

**CloneNo.:**

OX-33

**Excitation/Emission maxima  
wavelengths:**

496 nm, 565 nm / 578 nm

## 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 naïve T cells, B cells, and monocytes (PMID: 1830500; 14687231).

## Storage

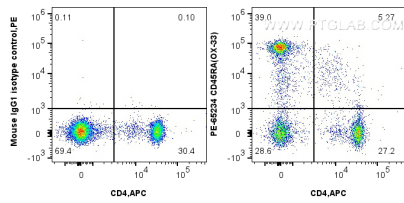
**Storage:**

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

**Storage Buffer:**

PBS with 0.1% sodium azide and 0.5% BSA.

## 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.