

For Research Use Only

# CoraLite® Plus 555 Anti-Rat CD45RA (OX-33)



Catalog Number: **CL555-65234**

## Basic Information

Catalog Number:

CL555-65234

Size:

100ug, 500 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:

554 nm / 570 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 0.09% sodium azide.

For technical support and original validation data for this product please contact:

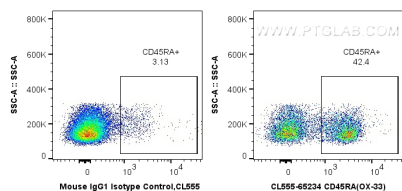
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

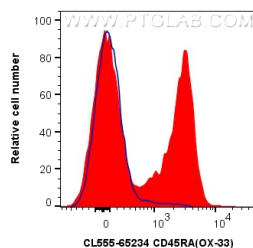
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> rat splenocytes were surface stained with 0.5 ug CoraLite® Plus 555 Anti-Rat CD45RA (CL555-65234, Clone: OX-33) or 0.5 ug CoraLite® 555 Mouse IgG1 Isotype Control (MOPC-21) (CL555-65124, Clone: MOPC-21). Cells were not fixed.



1X10<sup>6</sup> rat splenocytes were surface stained with 0.5 ug CoraLite® Plus 555 Anti-Rat CD45RA (CL555-65234, Clone: OX-33) (red), or 0.5 ug CoraLite® 555 Mouse IgG1 Isotype Control (MOPC-21) (CL555-65124, Clone: MOPC-21) (blue). Cells were not fixed.