

For Research Use Only

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



Catalog Number: **CL555-65234**

## Basic Information

<b>Catalog Number:</b> CL555-65234	<b>GenBank Accession Number:</b> XM_006249910	<b>Purification Method:</b> N/A
<b>Size:</b> 100ug, 500 µg/ml	<b>GeneID (NCBI):</b> 24699	<b>CloneNo.:</b> OX-33
<b>Source:</b> Mouse	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	<b>Excitation/Emission maxima wavelengths:</b> 554 nm / 570 nm
<b>Isotype:</b> IgG1, kappa	<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 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.

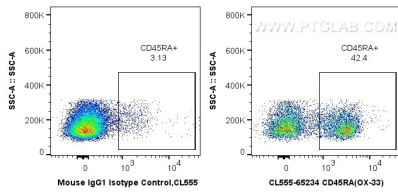
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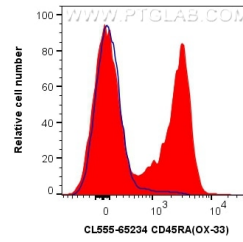
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## Selected Validation Data



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.