

For Research Use Only

# CoraLite® Plus 750 Anti-Human CD45RA (HI100)



Catalog Number: CL750-65108

## Basic Information

|                                       |   |   |
|---------------------------------------|---|---|
| <b>Catalog Number:</b><br>CL750-65108 | <b>GenBank Accession Number:</b><br>BC014239                        | <b>Purification Method:</b><br>Affinity purification              |
| <b>Size:</b><br>100tests, 5 µl/test   | <b>GeneID (NCBI):</b><br>5788                                       | <b>CloneNo.:</b><br>HI100   |
| <b>Source:</b><br>Mouse               | <b>ENSEMBL Gene ID:</b><br>ENSG00000081237                          | <b>Excitation/Emission maxima wavelengths:</b><br>755 nm / 780 nm |
| <b>Isotype:</b><br>IgG2b, kappa       | <b>UNIPROT ID:</b><br>P08575  |   |
|                                       | <b>Full Name:</b><br>protein tyrosine phosphatase, receptor type, C |   |

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Human

## 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 0.09% sodium azide and 0.5% BSA.

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

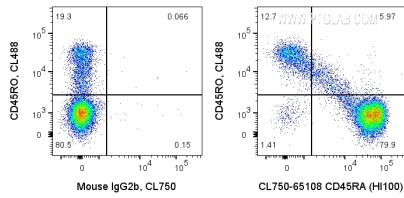
T: 4006900926

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

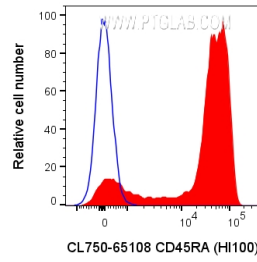
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with CL488 Anti-Human CD45RO and 5 ul CoraLite® Plus 750 Anti-Human CD45RA (CL750-65108, Clone:HI 100), or Mouse IgG2b Isotype Control. Cells were not fixed. Lymphocytes were gated.



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