

For Research Use Only

# CoraLite® Plus 750 Anti-Human CD45RO (UCHL1) Mouse IgG2a Recombinant Antibody

Catalog Number:**CL750-65613**



## Basic Information

<b>Catalog Number:</b>	CL750-65613	<b>GenBank Accession Number:</b>	<b>Purification Method:</b>
<b>Concentration:</b>	100 tests, 5 $\mu$ l/test	<b>GeneID (NCBI):</b>	<b>Protein A purification</b>
<b>Source:</b>	Mouse	<b>ENSEMBL Gene ID:</b>	<b>CloneNo.:</b>
<b>Isotype:</b>	IgG2a	<b>ENSG00000081237</b>	<b>UCHL1</b>
		<b>UNIPROT ID:</b>	<b>Recommended Dilutions:</b>
		P08575	FC: 5 $\mu$ l per $10^6$ cells in a 100 $\mu$ l suspension
		<b>Full Name:</b>	<b>Excitation/Emission maxima wavelengths:</b>
		protein tyrosine phosphatase, receptor type, C	755 nm / 780 nm

## Applications

<b>Tested Applications:</b>	<b>Positive Controls:</b>
FC	FC : human PBMCs,

**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). CD45RO is the shortest CD45 isoform (lacking all three exons) and is expressed by activated and memory T cells, thymocytes, some B cells, and weakly on granulocytes and macrophage (PMID: 27100180; 12414720).

## 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, pH7.3

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

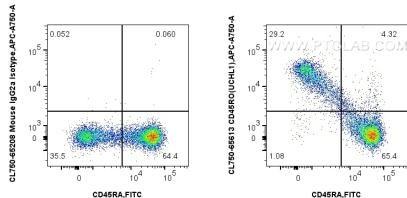
T: 4006900926

E: Proteintech-CN@ptglab.com

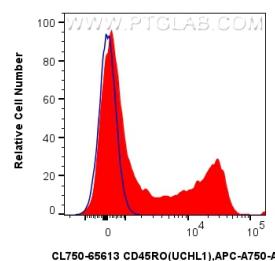
W: ptgcn.com

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with FITC Plus Anti-Human CD45RA, and 5 ul Coralite® Plus 750 Anti-Human CD45RO (UCHL1) Mouse IgG2a RecAb (CL750-65613, Clone:UCHL1), or Coralite® Plus 750 Mouse IgG2a Isotype Control (C1.18.4) (CL750-65208, Clone: C1.18.4). Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul Coralite® Plus 750 Anti-Human CD45RO (UCHL1) Mouse IgG2a RecAb (CL750-65613, Clone:UCHL1) (red), or Coralite® Plus 750 Mouse IgG2a Isotype Control (C1.18.4) (CL750-65208, Clone: C1.18.4) (blue). Cells were not fixed. Lymphocytes were gated.