

For Research Use Only

# Anti-Human CD45RO (UCHL1) Mouse IgG2a Recombinant Antibody



Catalog Number: 65613-1-MR

## Basic Information

<b>Catalog Number:</b> 65613-1-MR	<b>GenBank Accession Number:</b> BC014239	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1 mg/ml	<b>GeneID (NCBI):</b> 5788	<b>CloneNo.:</b> UCHL1
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000081237	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> 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). 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. 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:

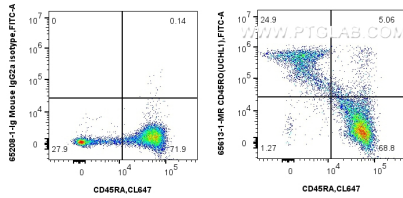
T: 4006900926

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

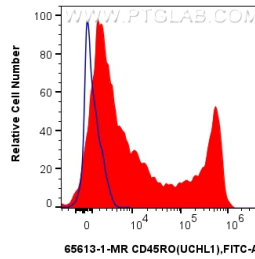
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD45RO Mouse IgG2a Recombinant Antibody (65613-1-MR, Clone: UCHL1) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4), and CoraLite® 488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD45RA. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD45RO Mouse IgG2a Recombinant Antibody (65613-1-MR, Clone: UCHL1) (red) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4) (blue) and CoraLite® 488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were not fixed. Lymphocytes were gated.