

For Research Use Only

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

Catalog Number: 65613-1-PBS



## Basic Information

Catalog Number:

65613-1-PBS

Size:

1mg, 2 mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC014239

GeneID (NCBI):

5788

ENSEMBL Gene ID:

ENSG00000081237

Full Name:

protein tyrosine phosphatase, receptor type, C

Purification Method:

Protein A purification

CloneNo.:

UCHL1

## Applications

Tested Applications:

IHC, 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 -80°C.

Storage Buffer:

PBS Only

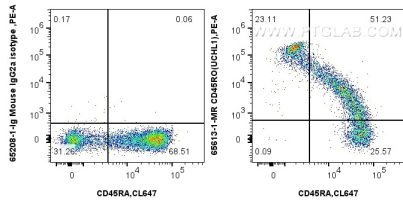
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

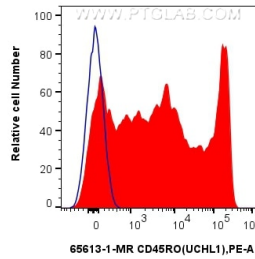
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

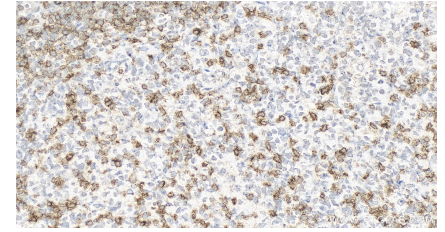
## Selected Validation Data



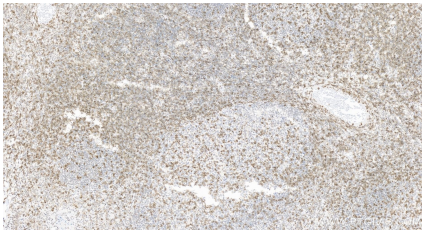
1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD45RO (UCHL1) Mouse IgG2a RecAb (65613-1-MR, Clone:UCHL1) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4), and PE-conjugated Goat Anti-Mouse IgG. Cells were co-stained with Coralite® Plus 647 Anti-Human CD45RA (HI100) (CL647-65108, Clone: HI100). Cells were not fixed. This data was developed using the same antibody clone with 65613-1-PBS in a



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD45RO (UCHL1) Mouse IgG2a RecAb (65613-1-MR, Clone: UCHL1) (red) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue), and PE-conjugated Goat Anti-Mouse IgG. Cells were not fixed. This data was developed using the same antibody clone with 65613-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 65613-1-MR (CD45RO antibody) at dilution of 1:1200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 65613-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 65613-1-MR (CD45RO antibody) at dilution of 1:1200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 65613-1-PBS in a different storage buffer formulation.