

For Research Use Only

# APC Anti-Human CD45RO (UCHL1)

Catalog Number: APC-65150



## Basic Information

<b>Catalog Number:</b> APC-65150	<b>GenBank Accession Number:</b> BC014239	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests, 5 µl/test	<b>GeneID (NCBI):</b> 5788	<b>CloneNo.:</b> UCHL1
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000081237	<b>Excitation/Emission maxima wavelengths:</b> 650 nm / 660 nm
<b>Isotype:</b> IgG2a, kappa	<b>UNIPROT ID:</b> P08575	
	<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. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

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

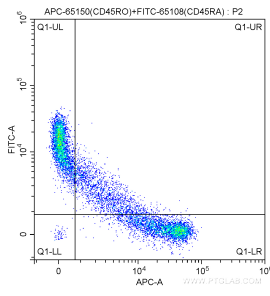
T: 4006900926

E: Proteintech-CN@ptglab.com

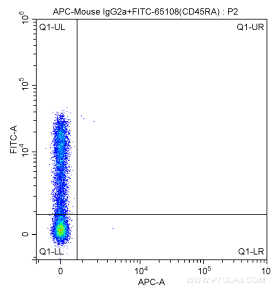
W: ptgcn.com

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 peripheral blood lymphocytes were surface stained with FITC Anti-Human CD45RA (FITC-65108, Clone: HI100) and 5.00 ul APC Anti-Human CD45RO (APC-65150, Clone: UCHL1). Cells were not fixed.



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with FITC Anti-Human CD45RA (FITC-65108, Clone: HI100) and APC-Mouse IgG2a isotype control antibody. Cells were not fixed.