

For Research Use Only

# Anti-Human CD45RO (UCHL1)

Catalog Number: 65150-1-Ig



## Basic Information

<b>Catalog Number:</b> 65150-1-Ig	<b>GenBank Accession Number:</b> BC014239	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 500ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 5788	<b>CloneNo.:</b> UCHL1
<b>Source:</b> Mouse	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	<b>Recommended Dilutions:</b> IF 1:200-1:800
<b>Isotype:</b> IgG2a, kappa		

## Applications

<b>Tested Applications:</b> FC, IF	<b>Positive Controls:</b> IF : human colon cancer tissue,
<b>Species Specificity:</b> 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).

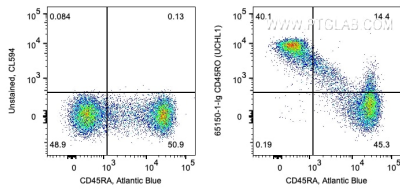
## Storage

**Storage:**  
Store at 2-8°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide.

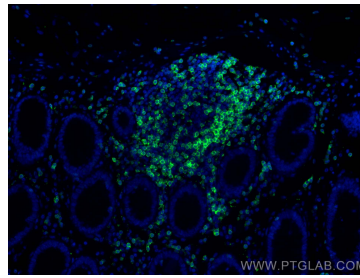
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

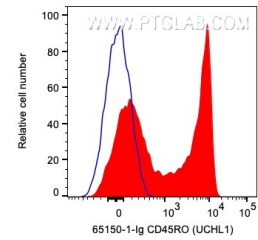
## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with Atlantic Blue Anti-Human CD45RA and 0.2 ug Anti-Human CD45RO (65150-1-Ig, Clone:UCHL1) and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 or unstained. Cells were not fixed. Lymphocytes were gated.



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CD45RO antibody (65150-1-Ig, Clone: UCHL1 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10<sup>6</sup> human PBMCs were surface stained with 0.2 ug Anti-Human CD45RO (65150-1-Ig, Clone:UCHL1) and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 or unstained. Cells were not fixed. Lymphocytes were gated.