

For Research Use Only

# PE Anti-human CD45RO (UCHL1)



Catalog Number: PE-65150

## Basic Information

<b>Catalog Number:</b> PE-65150	<b>GenBank Accession Number:</b> BC014239	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, Concentration: 5 µl(0.5µg)/test by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5788	<b>CloneNo.:</b> UCHL1
<b>Source:</b> Mouse	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	
<b>Isotype:</b> IgG2a		

## 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

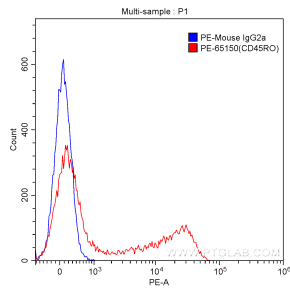
**Storage:**  
Store at 2-8°C. Avoid exposure to light.

**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: 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

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## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 5.00 ul/test PE-anti-human CD45RO (PE-65150, clone: UCHL1) (red) or 0.50 ug PE-mouse IgG2a isotype control (blue). Samples were not fixed.