

For Research Use Only

Anti-human CD45RO (UCHL1)

Catalog Number: 65150-1-Ig



Basic Information

Catalog Number: 65150-1-Ig	GenBank Accession Number: BC014239	Purification Method: Affinity purification
Size: 100ug, Concentration: 0.5 mg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5788	CloneNo.: UCHL1
Source: Mouse	Full Name: protein tyrosine phosphatase, receptor type, C	
Isotype: IgG2a		

Applications

Tested Applications:
FC, ELISA

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

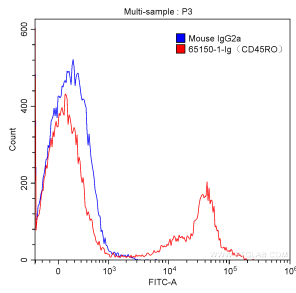
Storage:
Store at 2-8°C.

Storage Buffer:
Phosphate based buffer with 0.09% sodium azide, 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

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

Selected Validation Data



1X10⁶ Human peripheral blood lymphocytes were surface stained with 0.25 ug Anti-Human CD45RO (65150-1-Ig, Clone:UCL1) (red) or 0.25 ug Mouse IgG2a Isotype Control(66360-2-Ig, Clone:K11A1B2A2) (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000. Samples were not fixed.