

For Research Use Only

Anti-Human CD45RO (UCHL1)

Catalog Number: 65150-1-Ig **1 Publications**



Basic Information

Catalog Number: 65150-1-Ig	GenBank Accession Number: BC014239	Purification Method: Protein A purification
Size: 500ug , 0.5 mg/ml	GeneID (NCBI): 5788	CloneNo.: UCHL1
Source: Mouse	ENSEMBL Gene ID: ENSG00000081237	Recommended Dilutions: IHC 1:500-1:2000 IF-P 1:200-1:800
Isotype: IgG2a, kappa	UNIPROT ID: P08575	
	Full Name: protein tyrosine phosphatase, receptor type, C	

Applications

Tested Applications: IHC, IF-P, FC	Positive Controls:
Cited Applications: ELISA	IHC : human tonsillitis tissue, human colon cancer tissue
Species Specificity: human	IF-P : human colon cancer tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Yoshihiro Miyagawa	39057028	Curr Issues Mol Biol	ELISA

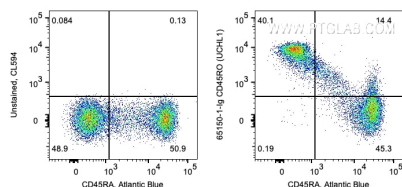
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

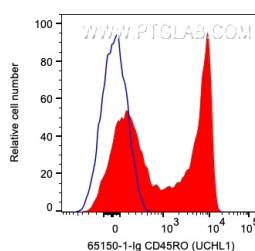
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

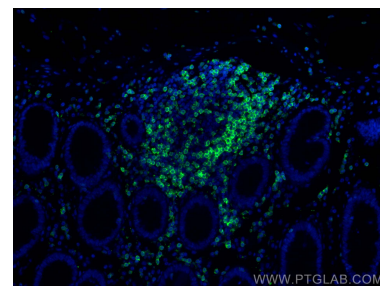
Selected Validation Data



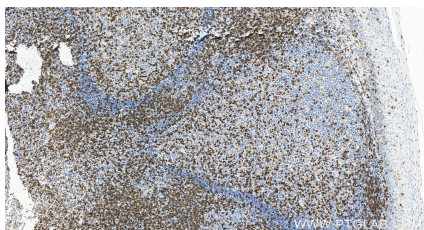
1X10⁶ human PBMCs were surface co-stained with Atlantic Blue Anti-Human CD45RA and 0.2 ug Anti-Human CD45RO (65150-1-Ig, Clone:UCHL1) and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 or unstained. Cells were not fixed. Lymphocytes were gated.



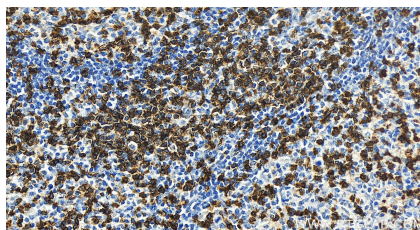
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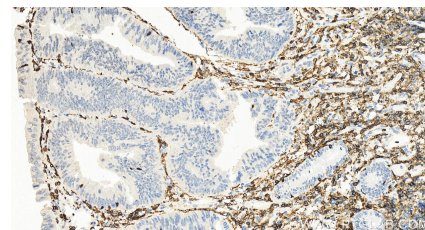
Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CD45RO antibody (65150-1-Ig, Clone: UCHL1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 65150-1-Ig (CD45RO antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 65150-1-Ig (CD45RO antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 65150-1-Ig (CD45RO antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).