

For Research Use Only

Anti-Human CD45RO (UCHL1)

Catalog Number: 65150-1-Ig



Basic Information

Catalog Number:

65150-1-Ig

Size:

100ug, 4.68 mg/ml

Source:

Mouse

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC014239

GeneID (NCBI):

5788

ENSEMBL Gene ID:

ENSG00000081237

UNIPROT ID:

P08575

Full Name:

protein tyrosine phosphatase,
receptor type, C

Purification Method:

Affinity purification

CloneNo.:

UCHL1

Recommended Dilutions:

IF 1:200-1:800

Applications

Tested Applications:

FC, IF-P

Species Specificity:

Human

Positive Controls:

IF : human colon cancer tissue,

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:

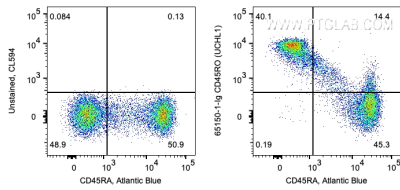
T: 4006900926

E: Proteintech-CN@ptglab.com

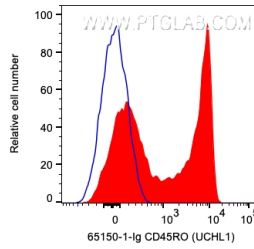
W: ptgcn.com

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

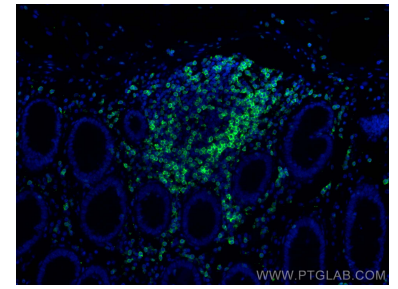
Selected Validation Data



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).