For Research Use Only

CoraLite® Plus 750 Anti-Human CD45RO (UCHL1) Mouse IgG2a Recombinant Antibody

Catalog Number:CL750-65613

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL750-65613

Concentration:
100tests, 5 ul/test

Source:
Mouse

Isotype:
IgG2a

GenBank Accession Number:
BC014239

GeneID (NCBI):
5788

ENSEMBL Gene ID:
ENSG00000081237

UNIPROT ID:
P08575

Full Name:
protein tyrosine phosphatase, receptor type, C

Purification Method:
Protein A purification

CloneNo.:
UCHL1

Recommended Dilutions:
FC: 5 ul per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
755 nm / 780 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : human PBMCs,

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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:
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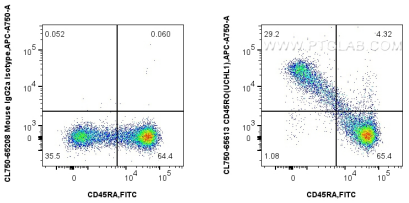
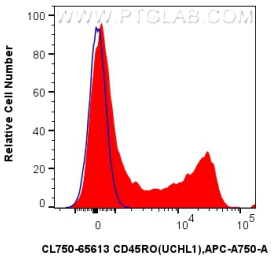
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 human PBMCs were surface stained with FITC Plus Anti-Human CD45RA, and 5 ul CoraLite® Plus 750 Anti-Human CD45RO (UCHL1) Mouse IgG2a RecAb (CL750-65613, Clone: UCHL1) or CoraLite® Plus 750 Mouse IgG2a Isotype Control (C1.18.4) (CL750-65208, Clone: C1.18.4). Cells were not fixed. Lymphocytes were gated.



1x10^6 human PBMCs were surface stained with 5 ul CoraLite® Plus 750 Anti-Human CD45RO (UCHL1) Mouse IgG2a RecAb (CL750-65613, Clone: UCHL1) (red) or CoraLite® Plus 750 Mouse IgG2a Isotype Control (C1.18.4) (CL750-65208, Clone: C1.18.4) (blue). Cells were not fixed. Lymphocytes were gated.