

For Research Use Only

CoraLite®647-conjugated Anti-Human CD45RO (UCHL1)



Catalog Number: CL647-65150

Basic Information

Catalog Number:

CL647-65150

Size:

100tests, 5 µl/test

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC014239

GeneID (NCBI):

5788

Full Name:

protein tyrosine phosphatase, receptor type, C

Purification Method:

Affinity purification

CloneNo.:

UCHL1

Excitation/Emission maxima wavelengths:

650 nm/665 nm

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:

PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

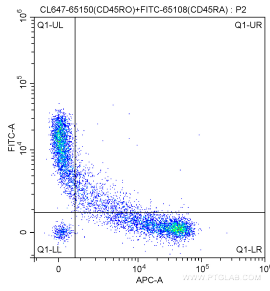
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

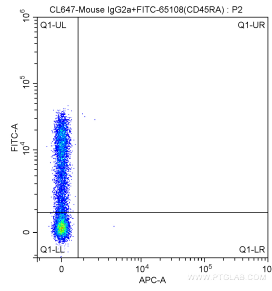
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with FITC Anti-Human CD45RA (FITC-65108, Clone: HI100) and 5.00 ul CoraLite®647-conjugated Anti-Human CD45RO (CL647-65150, Clone: UCHL1). Cells were not fixed.



1X10⁶ human peripheral blood lymphocytes were surface stained with FITC Anti-Human CD45RA (FITC-65108, Clone: HI100) and CoraLite®647-conjugated Mouse IgG2a isotype control antibody. Cells were not fixed.