

For Research Use Only

CoraLite® Plus 647 Anti-Human CD45RO (UCHL1)



Catalog Number: **CL647-65150**

Basic Information

Catalog Number: CL647-65150	GenBank Accession Number: BC014239	Purification Method: Affinity purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 5788	CloneNo.: UCHL1
Source: Mouse	Full Name: protein tyrosine phosphatase, receptor type, C	Excitation/Emission maxima wavelengths: 650 nm / 665 nm
Isotype: IgG2a, kappa		

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

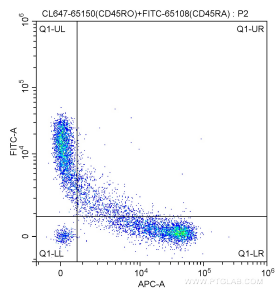
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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

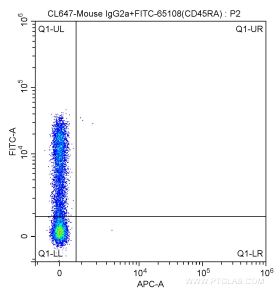
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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® Plus 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® Plus 647-conjugated Mouse IgG2a isotype control antibody. Cells were not fixed.