

For Research Use Only

APC Anti-Human CD45RO (UCHL1) Mouse IgG2a Recombinant Antibody

Catalog Number: APC-65613



Basic Information

Catalog Number:

APC-65613

Size:

100 tests, 5 ul/test

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC014239

GeneID (NCBI):

5788

ENSEMBL Gene ID:

ENSG00000081237

Full Name:

protein tyrosine phosphatase,
receptor type, C

Purification Method:

Protein A purification

CloneNo.:

UCHL1

Excitation/Emission maxima
wavelengths:

650 nm / 660 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

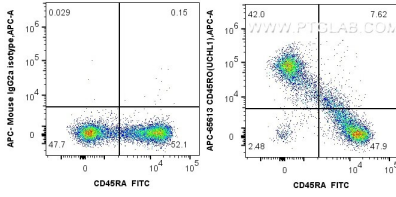
For technical support and original validation data for this product please contact:

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

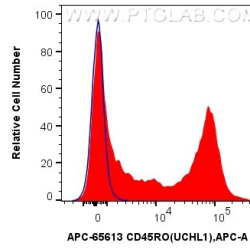
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with FITC Plus Anti-Human CD45RA and 5 ul APC Anti-Human CD45RO (UCHL1) Mouse IgG2a Recombinant Antibody (APC-65613, Clone: UCHL1) (right), or APC Mouse IgG2a Isotype Control (C1.18.4) (APC-65208, Clone: C1.18.4) (left). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul APC Anti-Human CD45RO (UCHL1) Mouse IgG2a Recombinant Antibody (APC-65613, Clone: UCHL1) (red), or APC Mouse IgG2a Isotype Control (C1.18.4) (APC-65208, Clone: C1.18.4) (blue). Cells were not fixed.