

Mouse anti-Human CD45RO Monoclonal Antibody | anti-CD45RO antibody

Anti-Human CD45RO Monoclonal Antibody (PE/Cy5.5 Conjugated)

CATALOG # AAA174751	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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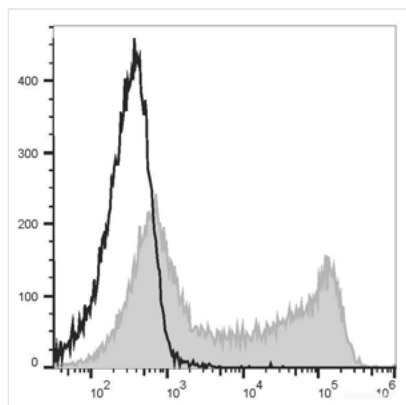
PRODUCT SYNONYMS

CD45RO; Monoclonal Antibody; Anti-Human CD45RO Monoclonal Antibody (PE/Cy5.5 Conjugated); anti-CD45RO antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	UCHL1
Form/Format	Liquid; Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant
Sequence Length	1306
Applicable Applications for anti-CD45RO antibody	FCM/FACS (Flow Cytometry)
Conjugation	PE/Cy5.5 PE/Cyanine5.5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical fiber centered near 690 nm (e.g., a 690/50 nm bandpass filter).
Isotype Control	PE/Cyanine5.5 Mouse IgG2a, kappa Isotype Control ()
Note	Centrifuge before opening to ensure complete recovery of vial contents
Preparation and Storage	Store at 2-8 degree C and protect from prolonged exposure to light. Do not freeze.

IMAGES



Application Data

Human peripheral blood lymphocytes are stained with PE/Cyanine5.5 Anti-Human CD45RO Antibody[UCHL1] (filled gray histogram) or PE/Cyanine5.5 Mouse IgG2a, kappa Isotype Control (empty black histogram).

ADDITIONAL INFORMATION

Related Product Information for anti-CD45RO antibody	CD45RO is a 180 kD single chain membrane glycoprotein. It is a splice variant of tyrosine phosphatase CD45, lacking the A, B, and C determinants. The CD45RO isoform is expressed on activated and memory T cells, some B cell subsets, activated monocytes/macrophages, and granulocytes. CD45RO enhances both T cell receptor and B cell receptor signaling mediated activation. CD45 and its isoforms non-covalently associate with lymphocyte phosphatase-associated phosphoprotein (LPAP) on T and B lymphocytes. CD45 has been reported to be associated with several other cell surface antigens including CD1, CD2, CD3, and CD4. CD45 has also been reported to bind galectin-1 and CD22. CD45 isoform expression can change in response to cytokines.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	392307007
NCBI GeneID	5788
NCBI Accession #	NP_002829.3
NCBI GenBank Nucleotide #	NP_002829.3
UniProt Accession #	P08575
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase C isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase receptor type C
NCBI Official Symbol	PTPRC
NCBI Official Synonym Symbols	LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180
NCBI Protein Information	receptor-type tyrosine-protein phosphatase C
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase C
UniProt Gene Name	PTPRC
UniProt Synonym Gene Names	CD45; L-CA
UniProt Entry Name	PTPRC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd45ro-antibody-clone-uchl1-flow-cytometry-elisa/174751>