

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

MOUSE ANTI HUMAN CD45RO:RPE

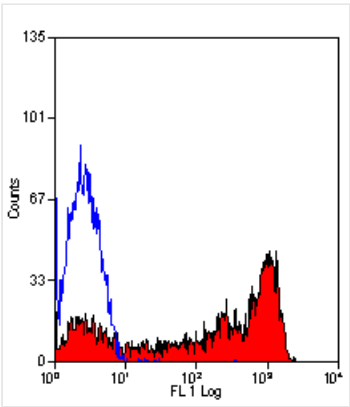
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA49506	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

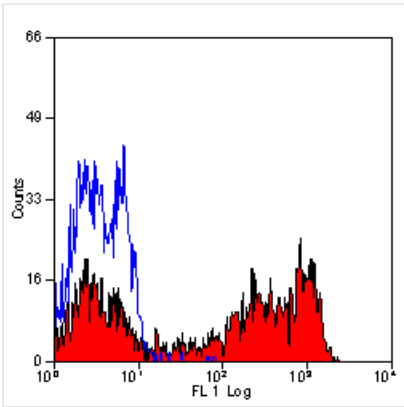
CD45RO; Monoclonal Antibody; MOUSE ANTI HUMAN CD45RO:RPE; anti-CD45RO antibody

PRODUCT SPECIFICATIONS

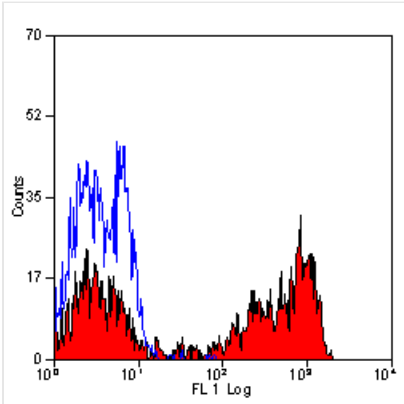
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	UCHL1
Specificity	CD45RO
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Sequence Length	1304
Applicable Applications for anti-CD45RO antibody	FCM/FACS (Flow Cytometry)
Specificity Note	This product recognises the low molecular weight isoform (180kD) of the leucocyte common antigen (LCA). The antigen is expressed by a functional subset of T cell with memory phenotype. In peripheral blood UCHL1 stains 40-80% of lymphocytes, and all monocytes and granulocytes.
Immunogen	Human IL-2 dependent T cells
Fusion Partners	Spleen cells from immunised mice were fused with cells of the mouse P3/NS1/1-Ag4-1 myeloma cell line.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Preservative Stabilisers	0.09% - Sodium Azide 1% - Bovine Serum Albumin
Reconstitution	Reconstitute with 1 ml distilled water
Preparation and Storage	Prior to reconstitution store at +4 degree C. Following reconstitution store at +4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Stability: 12 months from date of reconstitution.



Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD45RO:Azide Free



Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD45RO



Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD45RO

ADDITIONAL INFORMATION

References	1. Smith, S.H. et al. (1986) Functional subsets of human helper-inducer cells defined by a new monoclonal antibody, UCHL1. Immunology 58: 63-70. 2. Norton, A.J. et al. (1986) Monoclonal antibody (UCHL1) that recognises normal and neoplastic T-cells in routinely fixed tissues. J. Clin. Pathol. 39: 399-405. 3. Beverley, P.C.L. et al. (1986) T-cell subsets and function. Progress in Immunology VI. Cinader, B., Miller, G.G., eds. Academic Press Orlando pp 941-948. 4. Beverley, P.C.L. (1987) Human Tcell subsets. Immunology Letters 14: 263-267. 5. Terry, L.A. et al. (1987) Phenotypic heterogeneity of the CD4+ and CD8+ subsets. Leucocyte Typing III. McMichael, A.J., Beverley, P.C.L. et al. eds. University Press. pp 225-227. 6. Akbar, A.N. et al. (1988) Loss of CD45R and gain of UCHL1 reactivity is a feature of primed T-cells. J. Immunol. 140: 2171 - 2178 7. Terry, L.A. et al. (1988) The monoclonal antibody, UCHL1, recognizes a 180,000 MW component of the human leucocyte-common antigen, CD45 Immunology 64: 331-336. 8. Beverley, P.C.L. et al. (1988) Phenotypic diversity of the CD45 antigen and its relation to function. Immunology, Suppl. 1: 3-5. 9. Merckenschlager, M. et al. (1988) Limited dilution analysis of proliferative responses in human lymphocyte populations defined by the monoclonal antibody UCHL1: implications for differential CD45 expression in T-cell memory formation. Eur. J. Immunol. 18: 1653-1661.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18641347
NCBI GeneID	5788

NCBI Accession #	NP_002829.2
NCBI GenBank Nucleotide #	NM_002838.3
UniProt Accession #	P08575 ; Q16614 ; Q9H0Y6 ; A8K7W6 ; Q0VAE8 ; Q5T9L9 ; Q5T9M0 ; Q5T9M2 ; Q5T9M3 ; Q5T9M4 ; Q5T9M5 ; Q6LDN6 ; Q6PJK7
Molecular Weight	147,254 Da
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; CD45 antigen; T200 glycoprotein; OTTHUMP00000033813; OTTHUMP00000033816; OTTHUMP00000033817; OTTHUMP00000038574; leukocyte common antigen; leukocyte-common antigen; T200 leukocyte common antigen; protein tyrosine phosphatase, receptor type, c polypeptide
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase C
UniProt Gene Name	PTPRC
UniProt Synonym Gene Names	CD45
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/49506>