

Mouse anti-Human CD45RA Monoclonal Antibody | anti-CD45RA antibody

Monoclonal Antibody to CD45RA (Clone: 158-4D3)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78454	Mouse	Human	Flow Cytometry, Functional Assay, Immunohistochemistry

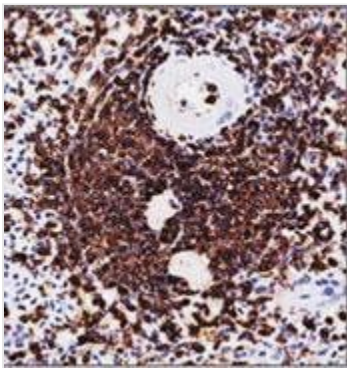
PRODUCT SYNONYMS

CD45RA; Monoclonal Antibody; Monoclonal Antibody to CD45RA (Clone: 158-4D3); PTPRC; CD45; Leukocyte common antigen; T200; anti-CD45RA antibody

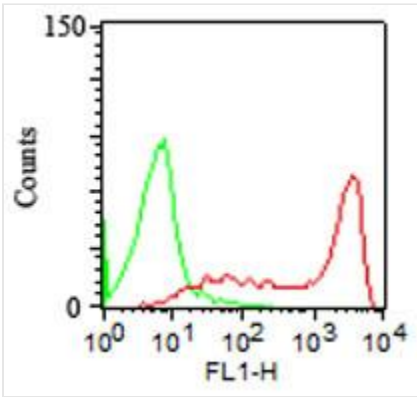
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a Kappa
Clone Number	158-4D3
Purity/Purification	Purified Protein G Chromatography
Form/Format	100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	1306
Applicable Applications for anti-CD45RA antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Antigen	CD45RA
Immunogen Information	Stimulated human leukocytes were used as immunogen to generate the CD45RA antibody.
Conjugation	Unconjugated
Preparation and Storage	Store the antibody at 4 degree C; stable for 6 months. For long-term storage; store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Fig. 2 Immunohistochemical analysis of CD45RA in human spleen using CD45RA antibody (Clone: 158-4D3) at 1: 500 dilution.



FCM/FACS (Flow Cytometry)
Fig. 1: Cell Surface flow analysis of hCD45RA in PBMC (Lymphocytes gated) using 1 ug antibody per 10^6 cells. Green represents isotype control; red represents anti-hCD45RA antibody (36-3014). Goat anti-mouse FITC conjugated secondary antibody was used.

ADDITIONAL INFORMATION

Related Product Information for anti-CD45RA antibody	CD45 (leukocyte common antigen), the most common hematopoietic lineage marker, is a transmembrane glycoprotein tyrosine phosphatase with important roles in immune system signal transduction pathways. Antibody panels have been instrumental in identifying multiple isoforms, including CD45RA. Isoforms differ in their extracellular domain and are generated by alternative splicing of exons 4, 5 and 6 encoding peptide segments called A, B, and C, respectively. At least five different isoforms have been identified in humans: containing all three (ABC), two (AB and BC), one (B) or no (O) exons. A given antibody recognizes either every isoform (CD45 antibody) or only a subset (restricted CD45R antibody). The CD45RA 158-4D3 antibody clone reacts with the ABC and BC isoforms. CD45RA has a molecular weight of 205-220 kDa.
Product Categories/Family for anti-CD45RA antibody	Cancer Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	392307007
NCBI GeneID	5788
NCBI Accession #	NP_002829.3
NCBI GenBank Nucleotide #	NM_002838.4
UniProt Accession #	P08575; Q16614; Q9H0Y6; A8K7W6
Molecular Weight	130,898 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
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase C
UniProt Gene Name	PTPRC
UniProt Synonym Gene Names	CD45; L-CA

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd45ra-antibody-clone-158-4d3-flow-cytometry-immunohistochemistry-elisa/78454>