

Mouse anti-Human CD45/LCA (Leukocyte Common Antigen) Monoclonal Antibody | anti-CD45/LCA antibody

CD45/LCA (Leukocyte Common Antigen)

CATALOG # AAA76651	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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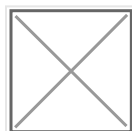
PRODUCT SYNONYMS

CD45/LCA (Leukocyte Common Antigen); Monoclonal Antibody; anti-CD45/LCA antibody

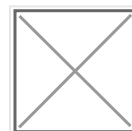
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG
Form/Format	Affinity Purified antibody Liquid with PBS buffer, pH7.4 with 0.02% Sodium Azide
Applicable Applications for anti-CD45/LCA antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human CD45/LCA
Preparation and Storage	The product can be stored undiluted for several weeks at 4 degree C. Dilute only immediately before use. Aliquot and store at -20 degree C for long term. Avoid freeze thaw-cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry staining of MO47025 on human pancreas tissue.



IHC (Immunohistochemistry)
Immunohistochemistry staining of MO47025 on human spleen tissue.

ADDITIONAL INFORMATION

Related Product Information for anti-CD45/LCA antibody

Anti-CD45 (LCA) Antibody is designed to detect CD45/LCA (leukocyte common antigen). CD45 is expressed in most nucleated cells from hematopoietic origin and is essential to regulate T and B cell antigen receptor signalling. Cluster of differentiation 45 (CD45), otherwise known as leukocyte common antigen (LCA), is a member of the protein tyrosine phosphatase (PTP) family. Members of the PTP family control various cellular processes including: cell growth, oncogenic transformation, and cell differentiation. CD45 is a signalling molecule that is an essential regulator of T and B cell antigen receptor signalling. Anti-CD45 is a biomarker for the majority of lymphoid neoplasms and positively stains most nucleated cells of hematopoietic tissue origin. Certain types of neoplasms, such as Hodgkin's lymphoma and some leukemias lack CD45 meaning that an absence of CD45 does not preclude the presence of lymphoid tumours.

NCBI AND UNIPROT INFORMATION

NCBI GI #	392307007
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NCBI GeneID	5788
NCBI Accession #	NP_002829.3
NCBI GenBank Nucleotide #	NM_002838.4
UniProt Accession #	P08575; Q16614; Q9H0Y6; A8K7W6
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; 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; 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.

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

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd45-lca-leukocyte-common-antigen-antibody-immunohistochemistry-elisa/76651>