

Goat CD45/LCA Polyclonal Antibody | anti-PTPRC antibody

CD45/LCA Goat anti-Human Polyclonal (C-Terminus) Antibody

CATALOG # AAA162694	HOST Goat	REACTIVITY Mouse, Dog, Rat, Human, Monkey	APPLICATIONS Western Blot, Immunohistochemistry, Immunohistochemistry
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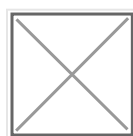
PRODUCT SYNONYMS

CD45/LCA; Polyclonal Antibody; CD45/LCA Goat anti-Human Polyclonal (C-Terminus) Antibody; PathPlus CD45/LCA Antibody (C-Terminus); PTPRC; B220; CD45R; CD45; gp180; Leukocyte common antigen; L-CA; Leucocyte common antigen; LY5; T200; T200 glycoprotein; T200 leukocyte common antigen; CD45 antigen; LCA; anti-PTPRC antibody

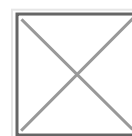
PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Mouse, Dog, Rat, Human, Monkey
Clonality	Polyclonal
Isotype	IgG
Specificity	Using Jurkat cell lysate detects a band 180-220 kDa by Western blot.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.05% Sodium Azide, 20% Glycerol
Concentration	3mg/ml (varies by lot)
Applicable Applications for anti-PTPRC antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Human CD45/LCA
Immunogen	Purified recombinant peptide derived from within residues 1260 aa to the C-Terminus of human CD45 produced in E Coli.
Conjugation	Unconjugated
Epitope	C-Terminus
Family	Protein Phosphatase
Subfamily	R1/R6
Preparation and Storage	Short term: store at 4 degree C. Long term: aliquot and store at -20 degree C. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
CD45/LCA Antibody-Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
CD45/LCA Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)

CD45/LCA Antibody-Western blot. Endogenous CD45 detected with CD45 antibody at 1:500 dilution. Lysate at 100 ug per lane and rabbit polyclonal to goat IgG (HRP) at 1:10000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPRC antibody	LCA antibody is an unconjugated goat polyclonal antibody to LCA (CD45)(C-Terminus) from human. It is reactive with human, mouse, rat and other species. Validated for IHC and WB. Cited in 1 publication. CD45 (LCA, PTPRC) is a type 1 transmembrane protein tyrosine phosphatase that is a marker for leukocytes. It is expressed on almost all hematopoietic cells (B and T-lymphocytes, granulocytes, monocytes, mast cells, dendritic cells, and macrophages). It is positive in many hematolymphoid neoplasms and may assist in the classification of lymphomas and leukemias. It is negative in mature erythrocytes, platelets, plasma cells, and mature megakaryocytes. Defects in PTPRC are one cause of severe combined immunodeficiency syndrome characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels.
References	Hermiston et al. Annual review of immunology 21.1 (2003): 107-137, DOI: 10.1146/annurev.immunol.21.120601.140946;Am J Clin Pathol 1998;110:797, PMID: 9844593

NCBI AND UNIPROT INFORMATION

NCBI GI #	392307007
NCBI GeneID	5788
NCBI Accession #	NP_002829.3
NCBI GenBank Nucleotide #	NM_002838
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd45-lca-antibody-western-blot-immunohistochemistry-immunohistochemistry-elisa/162694>