

Goat CD45 Polyclonal Antibody | anti-CD45 antibody

CD45 Polyclonal Antibody

CATALOG # AAA13860	HOST Goat	REACTIVITY Reacts against Human, Rat, Mouse, Canine, and Monkey proteins.	APPLICATIONS Western Blot
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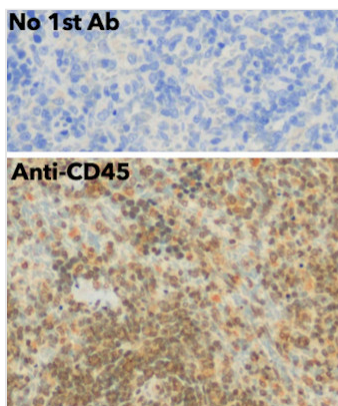
PRODUCT SYNONYMS

CD45; Polyclonal Antibody; CD45 Polyclonal Antibody; Anti-CD45; B220; CD45 antigen; CD45R; GP180; L-CA; LCA; leukocyte common antigen; LY5; protein tyrosine phosphatase; PTPRC; receptor type c polypeptide; receptor-type tyrosine-protein phosphatase C; RP11-553K8.4; T200; T200 glycoprotein; T200 leukocyte common antigen antibody; anti-CD45 antibody

PRODUCT SPECIFICATIONS

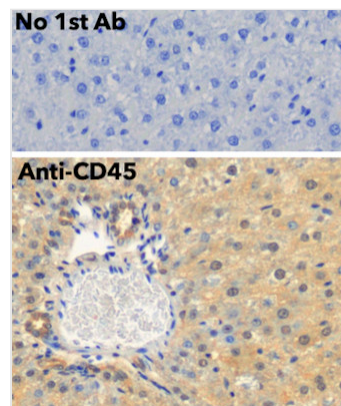
Host	Goat
Reactivity	Reacts against Human, Rat, Mouse, Canine, and Monkey proteins.
Clonality	Polyclonal
Specificity	Using Jurkat cell lysate detects a band 180-220 kDa by Western blot.
Form/Format	Polyclonal antibody supplied as a 500 ul (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.
Applicable Applications for anti-CD45 antibody	WB (Western Blot)
Application Notes	WB 1:500-1:2,000 IHC (F) 1:250-1:1,000 IHC (P) 1:250-1:1,000
Immunogen	Purified recombinant peptide derived from within residues 1,260 aa to the C-terminus of human CD45 produced in E. coli.
Preparation and Storage	Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

IMAGES



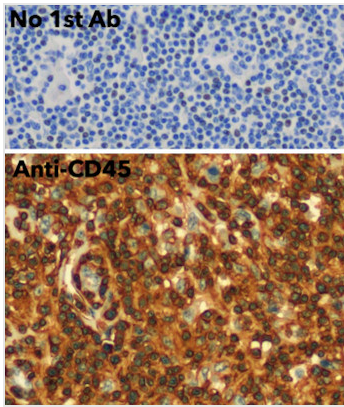
IHC (Immunohistochemistry)

IHC of rat spleen using anti-CD45 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD45 Ab at 1:500/DAB detection.

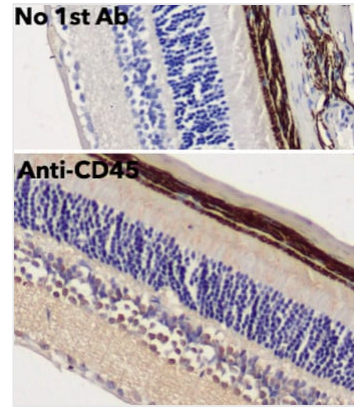


IHC (Immunohistochemistry)

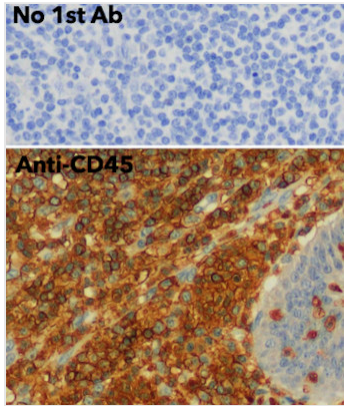
IHC of mouse liver using anti-CD45 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD45 Ab at 1:500/DAB detection.



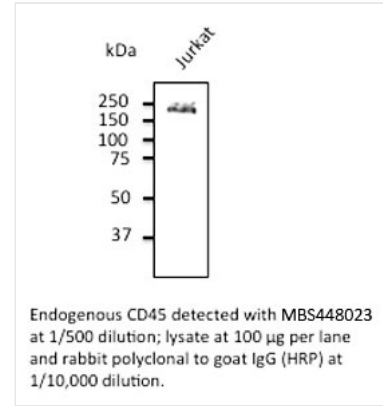
IHC (Immunohistochemistry)
IHC of human lymph node using anti-CD45 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD45 Ab at 1:500/DAB detection.



IHC (Immunohistochemistry)
IHC of mouse eye using anti-CD45 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD45 Ab at 1:750/DAB detection.



IHC (Immunohistochemistry)
IHC of human appendix using anti-CD45 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD45 Ab at 1:750/DAB detection.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD45 antibody	Goat polyclonal antibody to CD45. It is a 180-220 kDa type I transmembrane glycoprotein and a member of the protein tyrosine phosphatase (PTP) family. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus is classified as a receptor type PTP. It is expressed in all hematopoietic cells, but highest on lymphocytes. PTPs are known to be signalling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. It has intrinsic tyrosine phosphatase activity and it is essential for T and B cell antigen receptor-mediated activation. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signalling. CD45 also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signalling. The cross-linking of CD45 induces apoptosis in lymphocytes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	44242008
NCBI GeneID	5788
UniProt Accession #	P08575; Q16614; Q9H0Y6; A8K7W6
NCBI Official Full Name	CD45
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-antibody-western-blot-elisa/13860>