

Mouse anti-Human CD45 Monoclonal Antibody | anti-CD45 antibody

CD45 Monoclonal Antibody (12A9)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA293512	Mouse	Human	Immunofluorescence, Immunohistochemistry, Western Blot

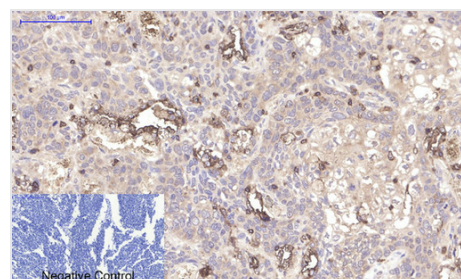
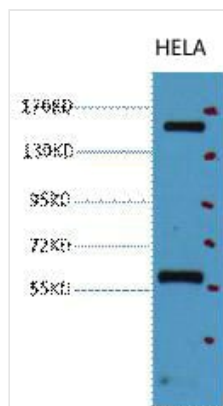
PRODUCT SYNONYMS

CD45; Monoclonal Antibody; CD45 Monoclonal Antibody (12A9); PTPRC; Receptor-type tyrosine-protein phosphatase C; Leukocyte common antigen; L-CA; T200; anti-CD45 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	12A9
Applicable Applications for anti-CD45 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

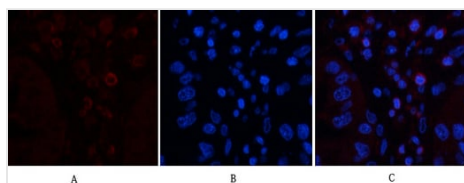


IHC (Immunohistochemistry)

Dilution: IF: 1:50-200 WB: 1:2000 IHC 1:50-300

Application Data

Dilution: IF: 1:50-200 WB: 1:2000 IHC 1:50-300



IF (Immunofluorescence)

Dilution: IF: 1:50-200 WB: 1:2000 IHC 1:50-300

ADDITIONAL INFORMATION

Related Product Information for anti-CD45 antibody	Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN. Dephosphorylates LYN, and thereby modulates LYN activity (By similarity).
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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	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.