

Rat anti-Human CD45 (T200) Monoclonal Antibody | anti-CD45 (T200) antibody

Anti-Human (CD45 (T200)), Purified (clone YAML 501.4), (Rat IgG2a)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74197	Rat	Human	Western Blot, Flow Cytometry, Functional Assay

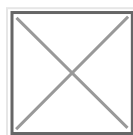
PRODUCT SYNONYMS

CD45 (T200); Monoclonal Antibody; Anti-Human (CD45 (T200)); Purified (clone YAML 501.4); (Rat IgG2a); Anti-Human CD45 (T200) Monoclonal Antibody; anti-CD45 (T200) antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Human
Clonality	Monoclonal
Isotype	Rat IgG2a
Clone Number	YAML 501.4
Specificity	(This antibody is specific for human CD45.)
Form/Format	Purified (Purified)
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	72
Applicable Applications for anti-CD45 (T200) antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Immunization	Rat monoclonal antibody raised against acute myeloid leukemia cells of human origin.
Presentation	Purified IgG buffered in PBS and 0.02% NaN ₃ . (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use. For maximal recovery of contents, please quick-spin vial before opening.
Preparation and Storage	For all formats, store at 4 degree C. DO NOT FREEZE APC and PE conjugates. For long term storage (Purified, Biotin, FITC), aliquot and freeze unused portion at -20 degree C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD45 (T200) antibody	anti-Human CD45 monoclonal antibody specifically binds the human CD45 Leukocyte Common Antigen (T200). CD45 is a family of single-chain transmembrane glycoproteins that consists of at least four isoforms (220, 205, 190, 180 kDa). Anti-Human CD45 monoclonal antibody recognizes an epitope common to all known isoforms. CD45 is expressed on hematopoietic cell lines, but not mature red cells, and is not detected on differentiated cells of other tissues. The protein phosphatase activity of the intracellular portion of CD45 is involved in transmembrane signaling for regulation of various cellular functions. Antibody to CD45 is used to differentiate lymphomas from nonhematopoietic undifferentiated neoplasms.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	44242008
NCBI GeneID	5788
UniProt Accession #	P08575; Q16614; Q9H0Y6; A8K7W6
Molecular Weight	147,254 Da
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/monoclonal/cd45-t200-antibody-clone-yaml-501-4-western-blot-flow-cytometry-elisa/74197>