

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

CD45 Monoclonal Antibody

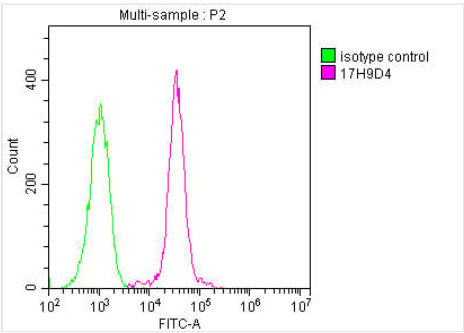
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA27049	Mouse	Human	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

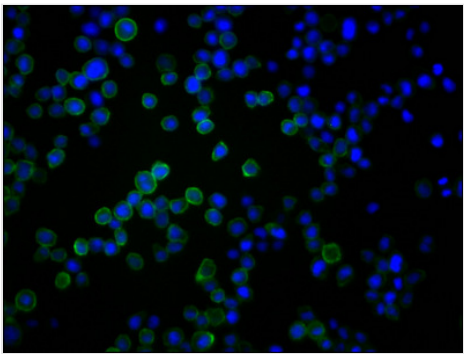
CD45; Monoclonal Antibody; CD45 Monoclonal Antibody; B220 antibody; CD 45 antibody; CD45 antibody; CD45 antigen antibody; CD45R antibody; GP180 antibody; L-CA antibody; LCA antibody; Leukocyte common antigen antibody; loc antibody; Ly-5 antibody; LY5 antibody; Ly5; homolog of antibody; Lyt-4 antibody; OTTHUMP00000033813 antibody; OTTHUMP00000033816 antibody; OTTHUMP00000033817 antibody; OTTHUMP00000038574 antibody; Protein tyrosine phosphatase receptor type c polypeptide antibody; Protein tyrosine phosphatase; receptor type C antibody; protein tyrosine phosphatase; receptor type; C antibody; c polypeptide antibody; Ptpcr antibody; PTPRC_HUMAN antibody; Receptor-type tyrosine-protein phosphatase C antibody; T200 antibody; T200 glycoprotein antibody; T200 leukocyte common antigen antibody; anti-CD45 antibody

PRODUCT SPECIFICATIONS

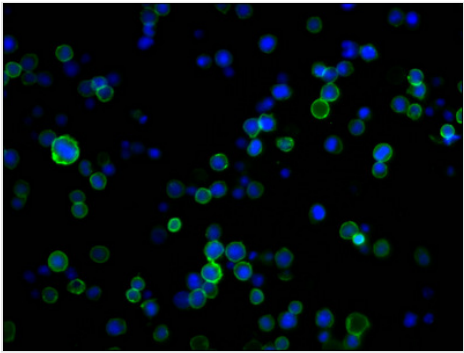
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	17H9D4
Purity/Purification	>95%, Protein A purified
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH7.4
Applicable Applications for anti-CD45 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:2000-1:32000 IHC: 1:200-1:600 IF: 1:100-1:300 FC/FACS: 1:200-1:600
Conjugation	Non-conjugated
Immunogen	Recombinant Human Receptor-type tyrosine-protein phosphatase C protein (24-575AA)
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



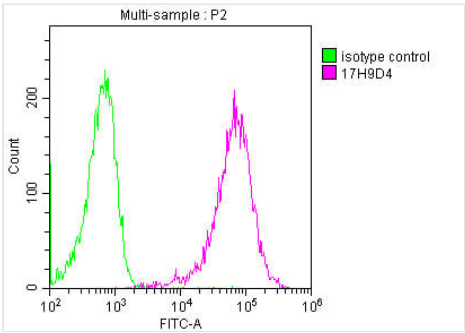
FCM (Flow Cytometry)
Overlay histogram showing Raji cells stained with (red line) at 1:500. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*106cells) for 1 h at 4 degree C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4 degree C. Isotype control antibody (green line) was mouse IgG2b (1ug/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



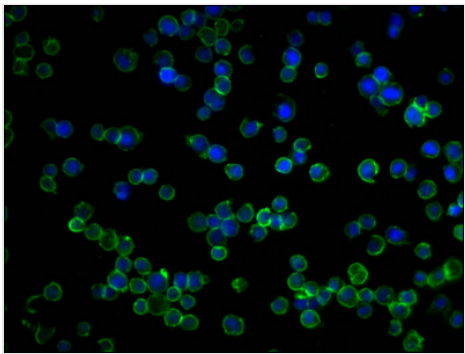
IF (Immunofluorescence)
Immunofluorescence staining of U937 cells at 1:250, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4 degree C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



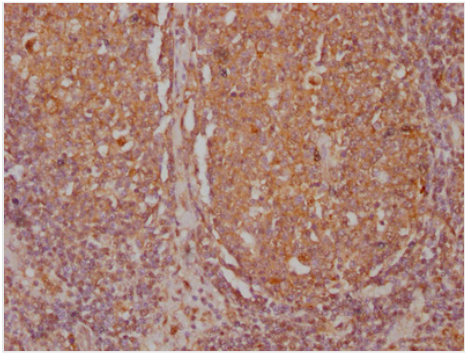
IF (Immunofluorescence)
Immunofluorescence staining of Jurkat cells at 1:250, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4 degree C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



FCM (Flow Cytometry)
Overlay histogram showing Jurkat cells stained with (red line) at 1:500. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*106cells) for 1 h at 4 degree C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4 degree C. Isotype control antibody (green line) was mouse IgG2b (1ug/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



IF (Immunofluorescence)
Immunofluorescence staining of Raji cells at 1:250, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4 degree C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



IHC (Immunohistochemistry)
IHC image diluted at 1:500 and staining in paraffin-embedded human lymph node tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG labeled by HRP and visualized using 0.05% DAB.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CD45 antibody	Immunology
--	------------

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd45-antibody-clone-17h9d4-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/27049>