

Mouse CD48 Monoclonal Antibody | anti-CD48 antibody

CD48 (Pan Leukocyte Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62813	Mouse	Human.Others not tested	Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD48; Monoclonal Antibody; CD48 (Pan Leukocyte Marker) Mouse Monoclonal Antibody; B cell membrane protein; B-cell activation marker; BCM1 surface antigen; BLAST1; Signaling lymphocytic activation molecule 2; SLAM family member 2 (SLAMF2); TCT.1; anti-CD48 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not tested
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	5-4.8
Specificity	Reacts with human CD48, a 45kDa glycosyl phosphatidyl-inositol (GPI)-anchored cell surface protein. CD48 is strongly expressed on lymphocytes and monocytes and weakly on granulocytes but is absent on platelets, fibroblasts, epithelium and endothelium. CD48 is one of the markers for detecting the defects of GPI anchoring structure on the patients with paroxysmal nocturnal hemoglobinuria (PNH) and serves as a low affinity ligand for CD2.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	243
Applicable Applications for anti-CD48 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface
Immunogen	Human peripheral blood lymphocytes
Hu-Chromosome Location	1q21.3-q22
Positive Control	Daudi, JY, Raji, Jurkat, and human lymphocytes. Human lymph node and tonsil.
Preparation and Storage	Antibody without azide - store at -20 to -80 degree C.

ADDITIONAL INFORMATION

References	Vaughan HA et al. The isolation of cDNA clones for CD48. Immunogenetics 1991, 33(2):113-117. Vaughan HA et al. Hu Ly-M3--a human leukocyte antigen. Transplantation 1983, 36(4):446-450
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361571
NCBI GeneID	962
NCBI Accession #	NP_001769.2

NCBI GenBank Nucleotide #	NM_001778.3
UniProt Accession #	P09326; Q5U055; Q8MGRO
Molecular Weight	45kDa
NCBI Official Full Name	CD48 antigen isoform 1
NCBI Official Synonym Full Names	CD48 molecule
NCBI Official Symbol	CD48
NCBI Official Synonym Symbols	BCM1; BLAST; hCD48; mCD48; BLAST1; SLAMF2; MEM-102
NCBI Protein Information	CD48 antigen
UniProt Protein Name	CD48 antigen
UniProt Gene Name	CD48
UniProt Synonym Gene Names	BCM1; BLAST1; SLAMF2
UniProt Entry Name	CD48_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://www.aaabiotech.com/monoclonal/cd48-antibody-clone-5-4-8-immunofluorescence-flow-cytometry-elisa/62813>