

Mouse anti-Human CD48 Monoclonal Antibody | anti-CD48 antibody

CD48 (Pan Leukocyte Marker) Mouse Monoclonal Antibody [Clone CD48/4786]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA216077	Mouse	Human	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CD48; Monoclonal Antibody; CD48 (Pan Leukocyte Marker) Mouse Monoclonal Antibody [Clone CD48/4786]; CD48 (Pan Leukocyte Marker); B-cell activation marker; B-lymphocyte activation marker BLAST-1; BCM1 surface antigen; BLAST1; CD48 antigen (B cell membrane protein); Signaling lymphocytic activation molecule 2 (SLAMF2); SLAM family member 2; anti-CD48 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2c, kappa
Clone Number	CD48/4786
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-CD48 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fragment (around aa 59-178) of human CD48 protein (exact sequence is proprietary)
Cellular Localization	Cell membrane, Secreted
Positive Control	Raji cells. Human lymph node or tonsil.
Hu-chromosome Location	1q21.3-q22
Unigene	243564
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using Monospecific Mouse Monoclonal Antibody to CD48 (CD48/4786). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



WB (Western Blot)

Western blot analysis of Raji cell lysate using CD48 Mouse Monoclonal Antibody (CD48/4786).



SDS-PAGE

SDS-PAGE Analysis of Purified CD48 Mouse Monoclonal Antibody (CD48/4786). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human lymph node stained with CD48 Mouse Monoclonal Antibody (CD48/4786).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human tonsil stained with CD48 Mouse Monoclonal Antibody (CD48/4786).

ADDITIONAL INFORMATION

Related Product Information for anti-CD48 antibody	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 marker 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	114871
NCBI GeneID	962
UniProt Accession #	P09326; Q5U055; Q8MGR0
Molecular Weight	45kDa
NCBI Official Full Name	CD48 antigen
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

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/cd48-antibody-clone-cd48-4786-immunohistochemistry-western-blot-elisa/216077>