

CD48 antigen (CD48) Active Protein | CD48 active protein

Recombinant Human CD48 antigen (CD48)(Active)

CATALOG #
AAA279196

HOST
Mammalian cell

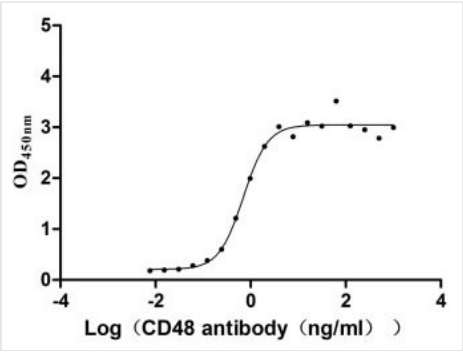
PRODUCT SYNONYMS

CD48 antigen (CD48); Recombinant Human CD48 antigen (CD48)(Active); B-lymphocyte activation marker BLAST-1; BCM1 surface antigen; Leukocyte antigen MEM-102; SLAM family member 2; SLAMF2; Signaling lymphocytic activation molecule 2; TCT.1; CD48; BCM1; BLAST1; CD48 active protein

PRODUCT SPECIFICATIONS

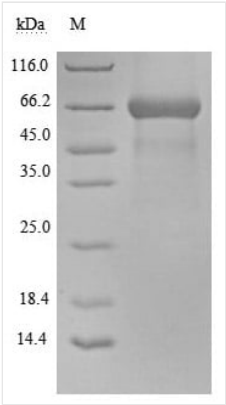
Host	Mammalian cell
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	27-220aa; Full Length of Mature Protein
Sequence	QGHVHMTVV SGSNVTNIS ESLPENYKQL TWFYTFDQKI VEWDSRKSXY FESKFGRVR LDPQSGALYI SKVQKEDNST YIMRVLKKTG NEQEWKIKLQ VLDPVKPKVI KIEKIEDMDD NCYLKLSCVI PGESVNYTWY GDKRPFKEL QNSVLETTLM PHNYSRCYTC QVSNSVSSKN GTVCLSPPT LARS\$
Species	Homo sapiens (Human)
Tag	C-terminal hFc-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CD48 at 2 ug/ml can bind Anti-CD48 rabbit monoclonal antibody, the EC50 of human CD48 protein is 0.5806-0.8463 ng/ml.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Bioactivity

Measured by its binding ability in a functional ELISA. Immobilized CD48 at 2 µg/ml can bind Anti-CD48 rabbit monoclonal antibody, the EC50 of human CD48 protein is 0.5806-0.8463 ng/ml.



SDS-PAGE

Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for CD48 active protein	Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation.
Product Categories/Family for CD48 active protein	Active Protein & In Stock Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	114871
NCBI GeneID	962
UniProt Accession #	P09326; Q5U055; Q8MGRO
Molecular Weight	19,429 Da
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.