

Mouse CD48 ELISA Kit | CD48 elisa kit

Mouse CD48 PicoKine ELISA Kit

CATALOG #
AAA45853

REACTIVITY
Mouse

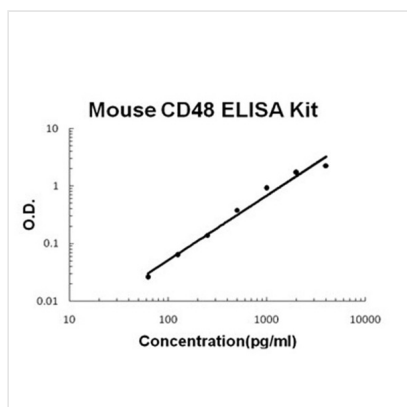
PRODUCT SYNONYMS

CD48; Mouse CD48 PicoKine ELISA Kit; CD48 antigen; CD48 molecule; Antigen CD48; B cell membrane protein; B lymphocyte activation marker BLAST 1 [Precursor]; B lymphocyte activation marker BLAST 1; B-cell activation marker; B-lymphocyte activation marker BLAST-1; BCM 1 surface antigen; BCM1; BCM1 surface antigen; BLAST 1; BLAST; BLAST1; CD 48; CD48 antigen (B cell membrane protein); CD48 protein; CD48_HUMAN; hCD48; Leucocyte antigen MEM 102; Leukocyte antigen MEM-102; mCD48; MEM 102; MEM-102; MEM102; Signaling lymphocytic activation molecule 2; SLAM family member 2; SLAMF 2; SLAMF2; TCT.1; CD48 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CD48
Sequence Length	240
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse CD48 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD48 elisa kit	Principle of the assay: mouse CD48 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CD48 has been precoated onto 96-well plates. Standards(NSO, F23-S217) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD48 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse CD48 amount of sample captured in plate. Background: CD48 antigen(Cluster of Differentiation 48), also known as BLAST-1 or SLAMF2, is a protein that in humans is encoded by the CD48 gene. CD48 is a member of the CD2 subfamily of the immunoglobulin superfamily(IgSF) which includes SLAM(signaling lymphocyte activation molecules) proteins, such as CD84, CD150, CD229 and CD244. It is mapped to 1q23.3. CD48 is found on the surface of lymphocytes and other immune cells, dendritic cells and endothelial cells, and participates in activation and differentiation pathways in these cells. The encoded protein does not have a transmembrane domain, however, but is held at the cell surface by a GPI anchor via a C-terminal domain which maybe cleaved to yield a soluble form of the receptor.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	114872
NCBI GeneID	12506
UniProt Accession #	P18181; Q545K2
Molecular Weight	27,383 Da
NCBI Official Full Name	CD48 antigen
NCBI Official Synonym Full Names	CD48 antigen
NCBI Official Symbol	Cd48
NCBI Official Synonym Symbols	BCM1; BLAST; Bcm-1; BLAST1; SLAMF2; Sgp-60; BLAST-1; MEM-102; AI449234; AW610730
NCBI Protein Information	CD48 antigen; HM48-1; BCM1 surface antigen; SLAM family member 2; MRC OX-45 surface antigen; signaling lymphocytic activation molecule 2
UniProt Protein Name	CD48 antigen
UniProt Gene Name	Cd48
UniProt Synonym Gene Names	Bcm-1; SLAMF2
UniProt Entry Name	CD48_MOUSE

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.