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Datasheet for ABIN7519795
CD48 Protein (CD48) (Fc Tag)

Overview

Quantity:	20 µg
Target:	CD48
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD48 protein is labelled with Fc Tag.

Product Details

Purpose:	Active Recombinant Mouse SLAMF2/CD48 Protein
Sequence:	FQGH SIPDIN ATTGSNVT LK IHK DPLG PYK RITWLHTKNQ KILEYNYNST KTIFESEFKG RVYLEENNGA L H I S N V R K E D K G T Y Y M R V L R E T E N E L K I T L E V F D P V P K P S I E I N K T E A S T D S C H L R L S C E V K D Q H V D Y T W Y E S S G P F P K K S P G Y V L D L I V T P Q N K S T F Y T C Q V S N P V S S K N D T V Y F T L P C D L A R
Specificity:	Phe23-Arg216
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human CD48 at 10 µg/mL (100 µL/well) can bind Human CD224 with a linear range of 0.87-18.4 ng/mL.

Target Details

Target: CD48

Alternative Name: SLAMF2/CD48 ([CD48 Products](#))

Background: Description: This protein is a member of the CD2 subfamily of immunoglobulin-like receptors which includes SLAM (signaling lymphocyte activation molecules) proteins. The encoded protein 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. Multiple transcript variants encoding different isoforms have been found for this gene.

Name: BCM1,BLAST,BLAST1,hCD48,mCD48,MEM-102,SLAMF2,CD48

Gene ID: 12506

UniProt: [P18181](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
