Datasheet for ABIN7519793

CD48 Protein (CD48) (His tag)

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Overview

Quantity:	100 µg
Target:	CD48
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD48 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human SLAMF2/CD48 Protein
Sequence:	QGHLVHMTVV SGSNVTLNIS ESLPENYKQL TWFYTFDQKI VEWDSRKSKY FESKFKGRVR LDPQSGALYI SKVQKEDNST YIMRVLKKTG NEQEWKIKLQ VLDPVPKPVI KIEKIEDMDD NCYLKLSCVI PGESVNYTWY GDKRPFPKEL QNSVLETTLM PHNYSRCYTC QVSNSVSSKN GTVCLSPPCT LARS
Specificity:	Gln27-Ser220
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD48 at 5 µg/mL (100 µL/well) can bind recombinant human CD244 with a linear range of 0.2-1 µg/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, MEM-102, SLAMF2, hCD48, mCD48,CD48,BLAST,BLAST1,MEM-102,SLAMF2,hCD48,mCD48
Gene ID:	962
UniProt:	P09326

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 votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (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 long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.