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Datasheet for ABIN1880630
CD48 Protein (CD48) (AA 27-220) (Fc Tag,His tag)

Overview

Quantity:	50 µg
Target:	CD48
Protein Characteristics:	AA 27-220
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD48 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Recombinant Human SLAM Family Member 2/CD48 (C-Fc-6His)
Sequence:	QGHLVHMTVV SGSNVTLNIS ESLPENYKQL TWFYTFDQKI VEWDSRISKY FESKFKGRVR LDPQSGALYI SKVQKEDNST YIMRVLKKTG NEQEWKIKLQ VLDPVPKPVI KIEKIEDMDD NCYLKLSCVI PGESVNYTWY GDKRPFPEL QNSVLETTLM PHNYSRCYTC QVSNSVSSKN GTVCLSPPT LARSVDDIEG RMDEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNQKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLPSREEMTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H
Characteristics:	Recombinant Human CD48/SLAMF2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gln27Ser220) of Human CD48/SLAMF2 fused with a FC-6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CD48
Alternative Name:	CD48/SLAMF2 (CD48 Products)
Sub Type:	Fusionprotein
Background:	<p>CD48 antigen, also known as B-lymphocyte activation marker BLAST-1, BCM1 surface antigen, Leukocyte antigen MEM-102, TCT.1, CD48, BCM1, and BLAST1. CD48 contains one Ig-like C2-type domain and one Ig-like V-type domain, but 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. CD48 may facilitate interaction between activated lymphocytes and be involved in regulating T-cell activation. CD48 plays a vital role as an environmental sensor for regulating progenitor cell numbers and inhibiting tumor development. It is suggested that the anti-CD48 mAb has the potential to become an effective therapeutic mAb against multiple myeloma.</p> <p>Alternative Names: CD48 antigen, B-lymphocyte activation marker BLAST-1, BCM1 surface antigen, Leukocyte antigen MEM-102, TCT.1, CD48, BCM1, BLAST1</p>
Molecular Weight:	53.1 kDa
UniProt:	P09326

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Handling

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months