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Datasheet for ABIN2180807

CD48 Protein (CD48) (AA 27-220) (His tag)**2** Images

Overview

Quantity:	100 µg
Target:	CD48
Protein Characteristics:	AA 27-220
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

Sequence:	AA 27-220
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 23.2 kDa. The protein migrates as 38-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD48
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Target Details

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

Background: CD48 antigen is also known as Signaling lymphocytic activation molecule 2, SLAM family member 2 (SLAMF2), Leukocyte antigen MEM-102, BCM1 surface antigen, B-lymphocyte activation marker BLAST-1. CD48 is a 65 kDa GPI-linked protein which belongs to the CD2 subfamily of immunoglobulin superfamily molecules. CD48 antigen contains two Ig-like C2-type (immunoglobulin-like) domains and two Ig-like V-type (immunoglobulin-like) domain. CD48 interacts with CD244 in an heterophilic manner. CD48 is ligand for CD2. CD48 might facilitate interaction between activated lymphocytes. CD48 is probably involved in regulating T-cell activation.

Molecular Weight: 23.2 kDa

Application Details

Restrictions: For Research Use only

Handling

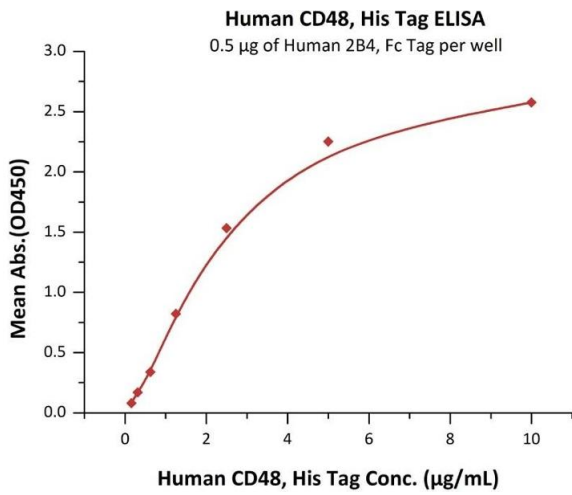
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

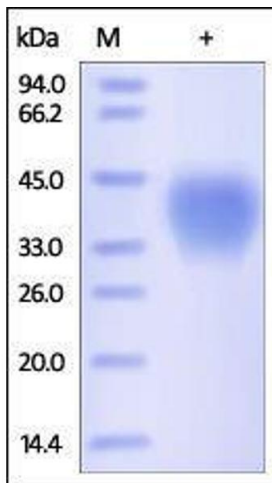
Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).



ELISA

Image 1. Immobilized Human 2B4, Fc Tag (ABIN2180733,ABIN2180732) at 5 µg/mL (100 µL/well) can bind Human CD48, His Tag (ABIN2180808,ABIN2180807) with a linear range of 0.156-2.5 µg/mL (QC tested).



SDS-PAGE

Image 2. Human CD48, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.