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Datasheet for ABIN7275618

CD48 Protein (CD48) (AA 27-220) (His tag)

3 Images

Overview

Quantity:	100 µg
Target:	CD48
Protein Characteristics:	AA 27-220
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD48 protein is labelled with His tag.

Product Details

Purpose:	Human CD48/SLAMF2 Protein
Sequence:	Gln27-Ser220
Characteristics:	Recombinant Human CD48/SLAMF2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln27-Ser220.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CD48, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Human 2B4, hFc Tag with the EC50 of 0.45 µg/ml determined by ELISA. See testing image for detail.

Target Details

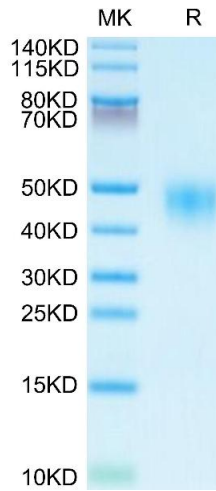
Target:	CD48
Alternative Name:	CD48 (CD48 Products)
Background:	CD48, also known as BLAST-1, BCM-1, and SLAMF2, is a 65 kDa GPI-linked protein in the CD2 family of immunoglobulin superfamily molecules. CD2 and 2B4 (CD244) are known ligands for CD48. CD48 protein is expressed on most lineage-committed hematopoietic cells but not on hematopoietic stem cells or multipotent hematopoietic progenitors.
Molecular Weight:	23.4 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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Handling

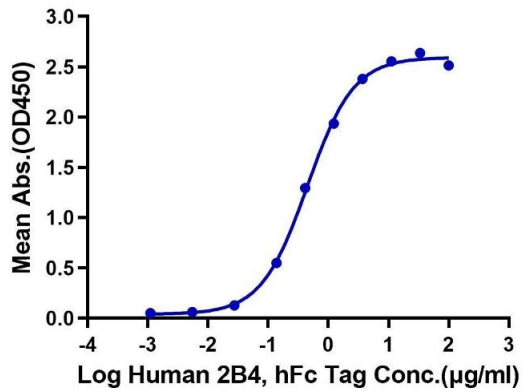
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

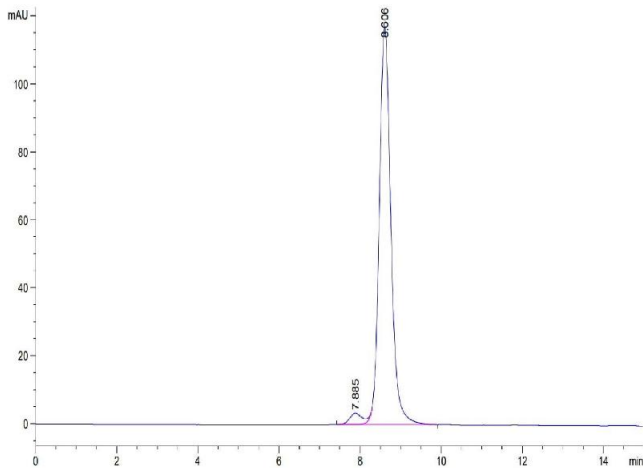
Image 1. Human CD48 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Human CD48, His Tag ELISA
0.1µg Human CD48, His Tag Per Well



ELISA

Image 2. Immobilized Human CD48, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human 2B4, hFc Tag with the EC50 of 0.45 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human CD48 is greater than 95 % as determined by SEC-HPLC.