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Datasheet for ABIN7274128

CD36 Protein (CD36) (AA 30-439) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	CD36
Protein Characteristics:	AA 30-439
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD36 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus CD36/SR-B3 Protein
Sequence:	Gly30-Asn439
Characteristics:	Recombinant Cynomolgus CD36/SR-B3 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gly30-Asn439.
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.

Target Details

Target:	CD36
Alternative Name:	CD36 (CD36 Products)

Target Details

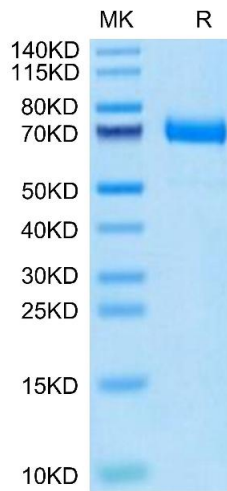
Background:	CD36, alternatively known as platelet membrane glycoprotein IV (GPIV), GPIIb, thrombospondin receptor, collagen receptor, fatty acid translocase (FAT), and scavenger receptor class B, member 3 (SR-B3), is an integral membrane glycoprotein that has multiple physiological functions. CD36 is a multifunctional glycoprotein that acts as receptor for a broad range of ligands. Ligands can be of proteinaceous nature like thrombospondin, fibronectin, collagen or amyloid-beta as well as of lipidic nature such as oxidized low-density lipoprotein (oxLDL), anionic phospholipids, long-chain fatty acids and bacterial diacylated lipopeptides.
Molecular Weight:	47.67 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Tris-Bis PAGE result.
UniProt:	Q4R6B4
Pathways:	TLR Signaling , Peptide Hormone Metabolism , Response to Growth Hormone Stimulus , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Regulation of Lipid Metabolism by PPARalpha , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Hepatitis C , Toll-Like Receptors Cascades , Lipid Metabolism , S100 Proteins

Application Details

Restrictions:	For Research Use only
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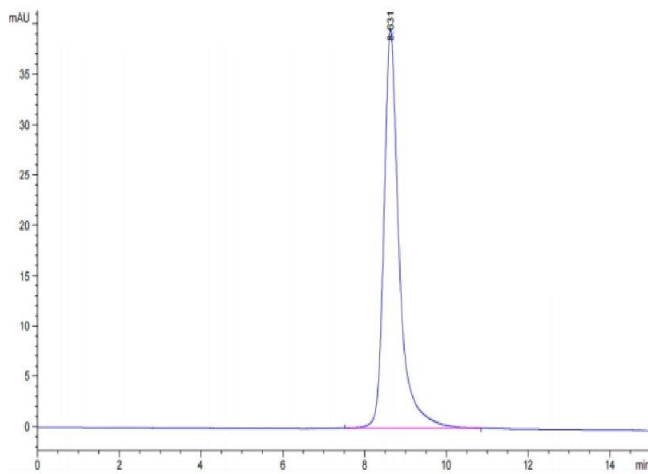
Handling

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. Cynomolgus CD36 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus CD36 is greater than 95 % as determined by SEC-HPLC.