

Human CD36/SR-B3 Protein

Cat. No. CD3-HM436



Description

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|-------------------------|--|
| Source | Recombinant Human CD36/SR-B3 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gly30-Asn439. |
| Accession | P16671-1 |
| Molecular Weight | The protein has a predicted MW of 49.5 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC |

Formulation and Storage

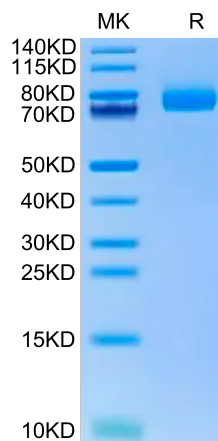
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|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to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

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.

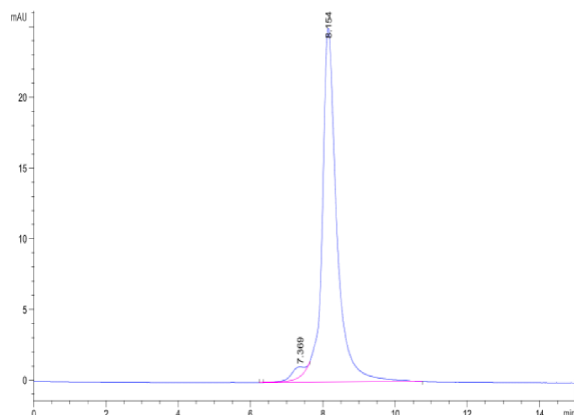
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



The purity of Human CD36 is greater than 90% as determined by SEC-HPLC.