ARG70490
Mouse CD36 recombinant protein (His-tagged)

Package: 100 µg
Store at: -20°C

Summary

Product Description	CHO expressed, His-tagged Mouse CD36 recombinant protein.
Tested Application	SDS-PAGE
Target Name	CD36
Species	Mouse
A.A. Sequence	Gly30-Lys439
Expression System	CHO
Alternate Names	CD36; CD36 Molecule (CD36 Blood Group); GPIIIB ; GPIV; GP3B; FAT ; GP4; Platelet Glycoprotein 4; Fatty Acid Translocase; SCARB3; CD36 Antigen (Collagen Type I Receptor, Thrombospondin Receptor); CD36 Molecule (Thrombospondin Receptor); Leukocyte Differentiation Antigen CD36; Platelet Glycoprotein IV; Glycoprotein IIIb; PAS IV; Scavenger Receptor Class B, Member 3; Scavenger Receptor Class B Member 3; Platelet Collagen Receptor; Thrombospondin Receptor; Cluster Determinant 36; PAS-4 Protein; CD36 Molecule; CD36 Antigen; BDPLT10; CHDS7; PASIV; PAS-4

Properties

Form	Powder
Purification	>95% (by SDS-PAGE)
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CD36
Gene Full Name	CD36 Molecule (CD36 Blood Group)
Background	The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have important functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2014]

Function	Selective and nonredundant sensor of microbial diacylated lipopeptide that signal via TLR2:TLR6 heterodimer, this cluster triggers signaling from the cell surface, leading to the NF-kappa-B-dependent production of TNF, via MYD88 signaling pathway and subsequently is targeted to the Golgi in a lipid-raft dependent pathway. [Uniprot]