Recombinant Mouse CD36 Protein (Fc Tag)

RPES8421

Product Information

Product SKU:	RPES8421	**Expression Host**:	Mammalian	**Size**:	20µg
Tag:	C-Fc	**Reactivity**:	Mouse	**Accession**:	Q08857

Additional Information

Calculated MW:	69.9 kDa	**Observed MW:**	80-100 kDa
Sequence:	Gly30-Lys439		

Protein Information

Background: The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with an the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 36 (CD36), also known as FAT, SCARB3, GP88, glycoprotein IV (gpIV) and glycoprotein IIIb (gpIIIb), is a member of the CD system as well as the class B scavenger receptor family of cell surface proteins. CD36 can be found on the surface of many cell types in vertebrate animals and it consists of 472 amino acids and is extensively glycosylated. It is an integral membrane protein primarily serving as receptors for thrombospondin and collagen and by the erythrocytes infected with an the human malaria parasite. The role of CD36 as a cell surface receptor has been extended to that of a signal transduction molecule.

Synonyms: Adipocyte membrane protein, BDPLT10, CD36, CD36 antigen (collagen type I receptor, thrombospondin receptor), CD36 antigen, CD36 molecule (thrombospondin receptor), CD36 molecule, CD36, CHDS7, Cluster determinant 36, Collagen receptor, platelet, FAT, Fatty acid translocase, Fatty acid transport protein,

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	Glycoprotein IIIb, GP IIIb, GP3B, GP4, GPIIIB, GPIV, Leukocyte differentiation antigen CD36, MGC108510, MGC91634, PAS 4 protein, PAS IV, PAS-4, PASIV, Platelet collagen receptor, Platelet glycoprotein 4, Platelet glycoprotein IV, scarb3, Scavenger receptor class B member 3, Thrombospondin receptor
Endotoxin:	< 1.0 EU/mg of the protein as determined by the LAL method
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Purity:	> 90% as determined by reducing SDS-PAGE.
Bio-Activity:	Not validated for activity
Storage:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

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