

Human CD36,SR-B3 ELISA Kit

Catalog No: #EK5284



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Description

Product Name	Human CD36,SR-B3 ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	sf21,G30-N439
Other Names	Platelet glycoprotein 4; Fatty acid translocase; FAT; Glycoprotein IIIb; GPIIB; Leukocyte differentiation antigen CD36; PAS IV; PAS-4; Platelet collagen receptor; Platelet glycoprotein IV; GPIV; Thrombospondin receptor; CD36; CD36; GP3B, GP4;
Accession No.	P16671
Uniprot	P16671
GeneID	948;
Cell Localization	Cell membrane; Upon ligand-binding, internalized through dynamin-dependentendocytosis..

Application Details

sensitivity:10pg mlDetect Range:156pg ml-10 000pg ml  
sample\_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).  
capture\_antibody:monoclonal antibody from mousedetection\_antibody:polyclonal antibody from goat  
gene\_name:CD36protein\_name:Platelet glycoprotein 4  
gene\_full\_name:Platelet glycoprotein 4  
tissue\_specificity:sequence\_similarities:Belongs to the CD36 family.  
tmb\_incubation:15-20minresearch\_category:cardiovascular|blood|platelets|immunology|cell type markers|cd|microbiology|protein|human protein|defensin|stem cells|hematopoietic progenitors|hematopoietic stem cells|human lineage negative|atherosclerosis|lipid transport|endothelial progenitors|endothelial markers|cancer|cancer metabolism|metabolic signaling pathway|metabolism of lipids and lipoproteins|pathways and processes|metabolic signaling pathways|lipid and lipoprotein metabolism|lipid metabolism|types of disease|heart disease

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human CD36,SR-B3

Background

protein\_function: Binds to collagen, thrombospondin, anionic phospholipidsand oxidized low-density lipoprotein (oxLDL). May function as a cell adhesion molecule. Directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes. Binds long chain fatty acids and may function in the transport and, or as a regulator of fatty acid transport. Receptor for thrombospondins, THBS1 AND THBS2, mediating their antiangiogenic effects. As a coreceptor for TLR4-TLR6 heterodimer, promotes inflammation in monocytes, macrophages. Upon ligand binding, such as oxLDL or amyloid-beta 42, rapidly induces the formation of a heterodimer of TLR4 and TLR6, which is internalized and triggers inflammatory response, leading to NF-kappa-B-dependent production of CXCL1, CXCL2 and CCL9 cytokines, via MYD88 signaling pathway, and CCL5 cytokine, via TICAM1 signaling pathway, as well as IL1B secretion..CD36(Cluster of Differentiation 36) is an integral membrane protein found on the surface of many cell types in vertebrate animals and is also known as FAT, SCARB3, GP88, glycoprotein IV(gpIV) and glycoprotein IIIb(gpIIIb). The human CD36 is a member of a gene family of structurally related glycoproteins and functions as a receptor for collagen type I and thrombospondin. The use of a CD36 genomic probe has allowed the localization of the CD36 locus to the 7q11.2 band by fluorescence in situ hybridization coupled with GTG-banding. CED-1, SCARF1 and C03F11.3, CD36 are beta-glucan binding receptors and define an evolutionarily conserved pathway for the innate sensing of fungal pathogens.

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Note: This product is for in vitro research use only