

Mouse Platelet Glycoprotein 4 (CD36) ELISA Kit | CD36 elisa kit

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CATALOG #
AAA266538

REACTIVITY
Mouse

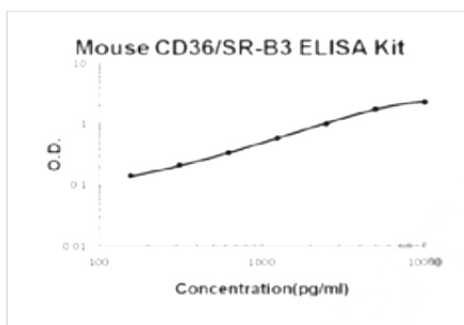
PRODUCT SYNONYMS

Platelet Glycoprotein 4 (CD36); Mouse Platelet Glycoprotein 4 (CD36) ELISA Kit; CD36 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Cell culture supernatants, cell lysates, serum, and plasma (heparin, EDTA)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter- assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD36 elisa kit	Background: 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 IIb (gpIIb). 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. Principle of the Assay: This kit is a solid-phase immunoassay specially designed to measure Mouse Cd36 with a 96-well strip plate that is pre-coated with antibody specific for Cd36. The detection antibody is a biotinylated antibody specific for Cd36. The capture antibody is monoclonal antibody from rat and the detection antibody is polyclonal antibody from goat. The kit includes Mouse Cd36 protein as standards. To measure Mouse Cd36, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Cd36 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Cd36 in the sample. Intended Uses: For the quantitation of Mouse Cd36 concentrations in cell culture supernatants, cell lysates, serum, and plasma (heparin, EDTA).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	227116347
NCBI GeneID	12491
NCBI Accession #	NP_001153027.1
NCBI GenBank Nucleotide #	NM_001159555.1
UniProt Accession #	Q08857
Molecular Weight	52,698 Da
NCBI Official Full Name	platelet glycoprotein 4
NCBI Official Synonym Full Names	CD36 antigen
NCBI Official Symbol	Cd36
NCBI Official Synonym Symbols	FAT; GPIV; Scarb3
NCBI Protein Information	platelet glycoprotein 4
UniProt Protein Name	Platelet glycoprotein 4
UniProt Gene Name	Cd36
UniProt Synonym Gene Names	GPIIIB; GPIV
UniProt Entry Name	CD36_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.