

Rat CD36/SR-B3 ELISA Kit | CD36 elisa kit

Rat CD36/SR-B3 PicoKine ELISA Kit

CATALOG #
AAA45870

REACTIVITY
Rat

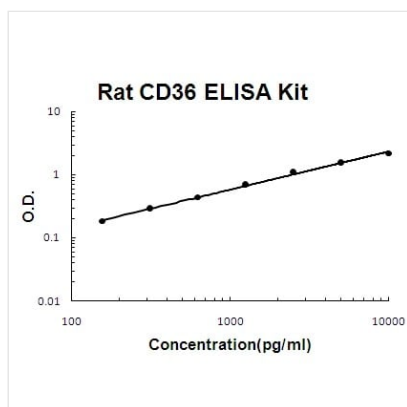
PRODUCT SYNONYMS

CD36/SR-B3; Rat CD36/SR-B3 PicoKine ELISA Kit; Platelet glycoprotein 4; CD36 molecule (thrombospondin receptor); CD36 antigen; CD36 antigen (collagen type I receptor thrombospondin receptor); CD36 molecule; CHDS7; Cluster determinant 36; FAT; Fatty acid translocase; Glycoprotein IIIb; GP3B; GP4; GPIIB; GPIV; Leukocyte differentiation antigen; CD36; PAS 4 protein; PAS IV; PASIV; Platelet collagen receptor; Platelet glycoprotein IV; SCARB3; Scavenger receptor class B member 3; Thrombospondin receptor; CD36 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat CD36
Sequence Length	472
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	218pg/ml-14,000pg/ml
Sensitivity	< 10pg/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 between 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)

Rat CD36/SR-B3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD36 elisa kit	Principle of the assay: rat CD36 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CD36 has been precoated onto 96-well plates. Standards(CHO, G30-K439) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD36 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the rat CD36 amount of sample captured in plate. 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 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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NCBI AND UNIPROT INFORMATION

NCBI GI #	146345388
NCBI GeneID	29184
UniProt Accession #	Q07969; Q925W0
Molecular Weight	52,731 Da
NCBI Official Full Name	Platelet glycoprotein 4
NCBI Official Synonym Full Names	CD36 molecule (thrombospondin receptor)
NCBI Official Symbol	Cd36
NCBI Official Synonym Symbols	Fat
NCBI Protein Information	platelet glycoprotein 4; GPIV; PAS-4; GPIIIB; PAS IV; glycoprotein IIIb; fatty acid translocase; platelet glycoprotein IV; adipocyte membrane protein; fatty acid transport protein; collagen type I receptor thrombospondin receptor; CD36 antigen (collagen type I receptor, thrombospondin receptor)
UniProt Protein Name	Platelet glycoprotein 4
UniProt Gene Name	Cd36
UniProt Synonym Gene Names	Fat; GPIIIB; GPIV
UniProt Entry Name	CD36_RAT

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.