

Human Platelet Membrane Glycoprotein IV (GP4) ELISA Kit | GP4 elisa kit

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CATALOG #
AAA139434

REACTIVITY
Human

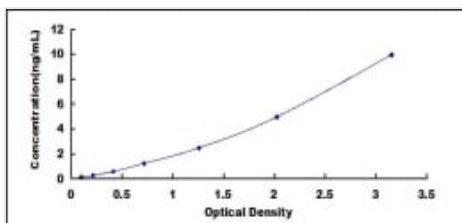
PRODUCT SYNONYMS

Platelet Membrane Glycoprotein IV (GP4); Human Platelet Membrane Glycoprotein IV (GP4) ELISA Kit; CD36; FAT; GP3B; GPIV; PASIV; SCARB3; GP88; GpIIb; Glycoprotein IIb; Collagen Type I Receptor; Thrombospondin Receptor; Fatty acid translocase; Platelet collagen receptor; GP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Platelet Membrane Glycoprotein IV (GP4). No significant cross-reactivity or interference between Platelet Membrane Glycoprotein IV (GP4) and analogues was observed.
Sequence Length	412
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Platelet Membrane Glycoprotein IV (GP4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Platelet Membrane Glycoprotein IV (GP4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GP4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Platelet Membrane Glycoprotein IV (GP4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Platelet Membrane Glycoprotein IV (GP4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Platelet Membrane Glycoprotein IV (GP4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Platelet Membrane Glycoprotein IV (GP4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GP4 elisa kit	CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	188536065
NCBI GeneID	948
NCBI Accession #	NP_001120916.1
NCBI GenBank Nucleotide #	NM_001127444.1
UniProt Accession #	P16671; Q13966; Q16093; Q8TCV7; Q9BPZ8; Q9BQC2; Q9BZM8; Q9BZN3; D9IX66; D9IX67; D9IX68; D9IX69
Molecular Weight	46,090 Da
NCBI Official Full Name	platelet glycoprotein 4 isoform 1
NCBI Official Synonym Full Names	CD36 molecule (thrombospondin receptor)
NCBI Official Symbol	CD36
NCBI Official Synonym Symbols	FAT; GP4; GP3B; GPIV; CHDS7; PASIV; SCARB3; BDPLT10
NCBI Protein Information	platelet glycoprotein 4
UniProt Protein Name	Platelet glycoprotein 4
UniProt Gene Name	CD36
UniProt Synonym Gene Names	GP3B; GP4; FAT; GPIIB; GPIV
UniProt Entry Name	CD36_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/platelet-membrane-glycoprotein-iv-gp4/139434>