

Human Glycoprotein Ib Alpha Polypeptide, Platelet (GP1Ba) ELISA Kit | GP1Ba elisa kit

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CATALOG #
AAA22991

REACTIVITY
Human

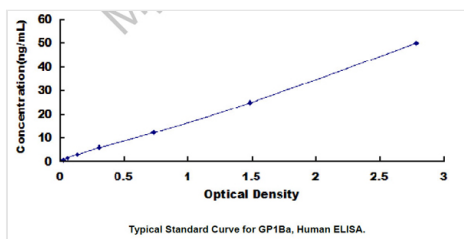
PRODUCT SYNONYMS

Glycoprotein Ib Alpha Polypeptide; Platelet (GP1Ba); Human Glycoprotein Ib Alpha Polypeptide; Platelet (GP1Ba) ELISA Kit; CD42b; CD42-B; CD42b-Alpha; GP1-BA; BSS; GP1B; GPIBA; Glycocalicin; GP1Ba elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GP1Ba. No significant cross-reactivity or interference between GP1Ba and analogues was observed.
Sequence Length	652
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	< 0.31ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GP1Ba were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GP1Ba were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 GP1Ba elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GP1Ba. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GP1Ba. 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 GP1Ba, 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 GP1Ba in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GP1Ba in human tissue homogenates, cell lysates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119610799
NCBI GeneID	2811
UniProt Accession #	P07359; Q14441; Q16469; Q8N1F3; Q8NG39; Q9HDC7; Q9UEK1; Q9UQS4; E7ES66
Molecular Weight	71,540 Da
NCBI Official Full Name	glycoprotein Ib (platelet), alpha polypeptide
NCBI Official Synonym Full Names	glycoprotein Ib platelet alpha subunit
NCBI Official Symbol	GP1BA
NCBI Official Synonym Symbols	BSS; GP1B; VWDP; CD42B; GPIbA; BDPLT1; BDPLT3; DBPLT3; GPIbalpha; CD42b-alpha
NCBI Protein Information	platelet glycoprotein Ib alpha chain
UniProt Protein Name	Platelet glycoprotein Ib alpha chain
UniProt Gene Name	GP1BA
UniProt Synonym Gene Names	GP-Ib alpha; GPIb-alpha; GPIbA; Glycoprotein Ibalpha

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.