

Human G Protein-Coupled Receptor Kinase 4 (GRK4) ELISA Kit | GRK4 elisa kit

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CATALOG #
AAA219779

REACTIVITY
Human

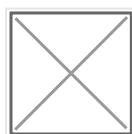
PRODUCT SYNONYMS

G Protein-Coupled Receptor Kinase 4 (GRK4); Human G Protein-Coupled Receptor Kinase 4 (GRK4) ELISA Kit; GPRK2L; GPRK4; GRK4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GRK4. No significant cross-reactivity or interference between GRK4 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.062ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GRK4 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 GRK4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRK4 elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GRK4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GRK4. 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 GRK4, 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 $\pm$ 10nm. The concentration of GRK4 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 the in vitro quantitative measurement of GRK4 in human serum, plasma, tissue homogenates or other biological fluids.

Product Categories/Family for GRK4 elisa kit

[Traditional ELISA Kit](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	51873045
NCBI GeneID	2868
NCBI Accession #	NP_001004056.1
NCBI GenBank Nucleotide #	NM_001004056.1
UniProt Accession #	P32298; O00641; O00642; Q13293; Q13294; Q13295; Q14453; Q14725; Q15313; Q15314; Q15315; Q15316
Molecular Weight	66,583 Da
NCBI Official Full Name	G protein-coupled receptor kinase 4 isoform beta
NCBI Official Synonym Full Names	G protein-coupled receptor kinase 4
NCBI Official Symbol	GRK4
NCBI Official Synonym Symbols	IT11; GPRK4; GRK4a; GPRK2L
NCBI Protein Information	G protein-coupled receptor kinase 4; IT11
UniProt Protein Name	G protein-coupled receptor kinase 4
UniProt Gene Name	GRK4
UniProt Synonym Gene Names	GPRK2L; GPRK4
UniProt Entry Name	GRK4_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/g-protein-coupled-receptor-kinase-4-grk4/219779>