

Monkey G Protein Beta 1 ELISA Kit | GNb1 elisa kit

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CATALOG #
AAA93259

REACTIVITY
Monkey

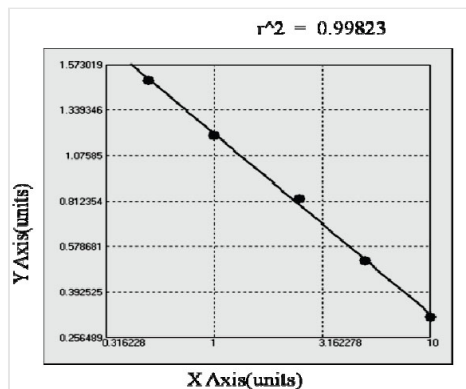
PRODUCT SYNONYMS

G Protein Beta 1; Monkey G Protein Beta 1 ELISA Kit; GNb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This GNb1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey GNb1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GNb1 elisa kit

Principle of the Assay: GNb1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GNb1 antibody and an GNb1-HRP conjugate. The assay sample and buffer are incubated together with GNb1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GNb1 concentration since GNb1 from samples and GNb1-HRP conjugate compete for the anti-GNb1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GNb1 from the sample, fewer sites are left to bind GNb1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GNb1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	48145685
NCBI GeneID	2782
UniProt Accession #	P62873; P04697; P04901; Q1RMY8; B1AJZ7
Molecular Weight	36,298 Da
NCBI Official Full Name	GNB1
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), beta polypeptide 1
NCBI Official Symbol	GNB1
NCBI Protein Information	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1; guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1; transducin beta chain 1; G protein, beta-1 subunit; beta subunit, signal-transducing proteins GS/GI
UniProt Protein Name	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1
UniProt Gene Name	GNB1
UniProt Entry Name	GBB1_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://www.aaabiotech.com/gnb1-monkey-elisa-kits/g-protein-beta-1/93259>