

Mouse G Protein Beta 1 (GNb1) ELISA Kit | GNb1 elisa kit

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CATALOG #
AAA66176

REACTIVITY
Mouse

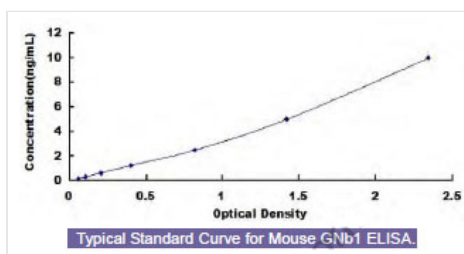
PRODUCT SYNONYMS

G Protein Beta 1 (GNb1); Mouse G Protein Beta 1 (GNb1) ELISA Kit; GN-B1; Guanine Nucleotide Binding Protein Beta 1; Transducin beta chain 1; GNb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GNb1. No significant cross-reactivity or interference between GNb1 and analogues was observed.
Sequence Length	340
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.041ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GNb1 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 GNb1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GNB1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GNB1 in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GNB1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GNB1. 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 GNB1, 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 GNB1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	229608938
NCBI GeneID	14688
NCBI Accession #	NP_001153488.1
NCBI GenBank Nucleotide #	NM_001160016.1
UniProt Accession #	P62874; P04697; P04901
Molecular Weight	37,377 Da
NCBI Official Full Name	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), beta 1
NCBI Official Symbol	Gnb1
NCBI Official Synonym Symbols	Gnb-1; C77571; AA409223
NCBI Protein Information	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1
UniProt Protein Name	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1
UniProt Gene Name	Gnb1

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.