

Human G Protein Alpha 11 (GNa11) ELISA Kit | GNa11 elisa kit

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CATALOG #
AAA138568

REACTIVITY
Human

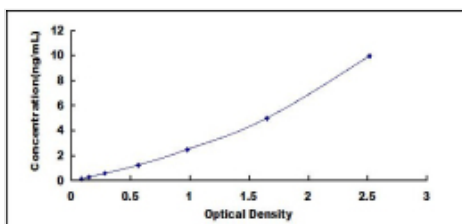
PRODUCT SYNONYMS

G Protein Alpha 11 (GNa11); Human G Protein Alpha 11 (GNa11) ELISA Kit; GA11; Guanine Nucleotide-Binding Protein Subunit Alpha-11; Guanine nucleotide-binding protein G(y) subunit alpha; GNa11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of G Protein Alpha 11 (GNa11). No significant cross-reactivity or interference between G Protein Alpha 11 (GNa11) and analogues was observed.
Sequence Length	359
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level G Protein Alpha 11 (GNa11) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level G Protein Alpha 11 (GNa11) 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 GNa11 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 G Protein Alpha 11 (GNa11). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to G Protein Alpha 11 (GNa11). 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 G Protein Alpha 11 (GNa11), 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 G Protein Alpha 11 (GNa11) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GNa11 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	3289982
NCBI GeneID	2767
UniProt Accession #	P29992; O15109; Q14350; Q6IB00
Molecular Weight	42,123 Da
NCBI Official Full Name	GB11_HUMAN
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)
NCBI Official Symbol	GNA11
NCBI Official Synonym Symbols	FBH; FBH2; FHH2; HHC2; GNA-11; HYPOC2
NCBI Protein Information	guanine nucleotide-binding protein subunit alpha-11
UniProt Protein Name	Guanine nucleotide-binding protein subunit alpha-11
UniProt Gene Name	GNA11
UniProt Synonym Gene Names	GA11; G alpha-11; G-protein subunit alpha-11
UniProt Entry Name	GNA11_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/human-elisa-kits/g-protein-alpha-11-gna11/138568>