

Mouse Cyclic nucleotide-gated cation channel beta-3 (CNGB3) ELISA Kit | CNGB3 elisa kit

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CATALOG #
AAA245473

REACTIVITY
Mouse

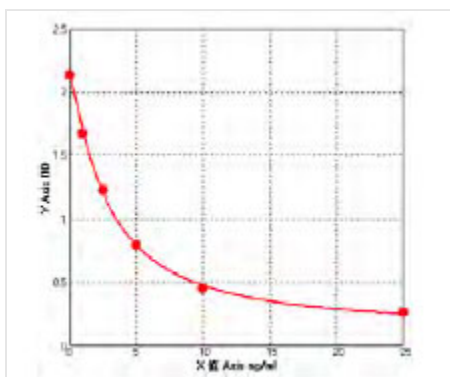
PRODUCT SYNONYMS

Cyclic nucleotide-gated cation channel beta-3 (CNGB3); Mouse Cyclic nucleotide-gated cation channel beta-3 (CNGB3) ELISA Kit; CNGB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CNGB3. No significant cross-reactivity or interference between CNGB3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CNGB3 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNGB3 elisa kit	Intended Uses: This CNGB3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CNGB3. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CNGB3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CNGB3 antibody and an CNGB3-HRP conjugate. The assay sample and buffer are incubated together with CNGB3-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 CNGB3 concentration since CNGB3 from samples and CNGB3-HRP conjugate compete for the anti-CNGB3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CNGB3 from the sample, fewer sites are left to bind CNGB3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CNGB3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CNGB3 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	116642889
NCBI GeneID	54714
NCBI Accession #	NP_061971.3
NCBI GenBank Nucleotide #	NM_019098.4
Molecular Weight	91,633 Da
NCBI Official Full Name	cyclic nucleotide-gated cation channel beta-3
NCBI Official Synonym Full Names	cyclic nucleotide gated channel beta 3
NCBI Official Symbol	CNGB3
NCBI Official Synonym Symbols	ACHM1
NCBI Protein Information	cyclic nucleotide-gated cation channel beta-3; CNG channel beta-3; cone photoreceptor cGMP-gated cation channel beta-subunit; cyclic nucleotide-gated cation channel modulatory subunit
UniProt Protein Name	Cyclic nucleotide-gated cation channel beta-3
UniProt Gene Name	CNGB3
UniProt Synonym Gene Names	CNG channel beta-3
UniProt Entry Name	CNGB3_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/mouse-elisa-kits/cyclic-nucleotide-gated-cation-channel-beta-3-cnqb3/245473>