

Mouse Acetylcholine receptor subunit beta (CHRNA1) ELISA Kit | CHRNA1 elisa kit

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CATALOG #
AAA246934

REACTIVITY
Mouse

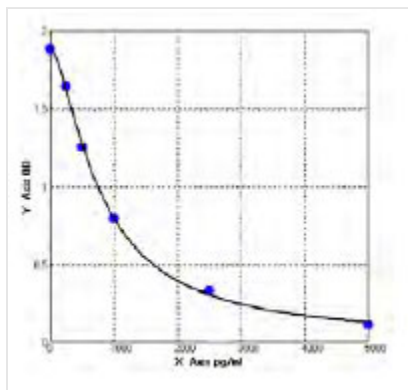
PRODUCT SYNONYMS

Acetylcholine receptor subunit beta (CHRNA1); Mouse Acetylcholine receptor subunit beta (CHRNA1) ELISA Kit; CHRNA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CHRNA1. No significant cross-reactivity or interference between CHRNA1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CHRNA1 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHRNB1 elisa kit	Intended Uses: This CHRNB1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CHRNB1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CHRNB1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CHRNB1 antibody and an CHRNB1-HRP conjugate. The assay sample and buffer are incubated together with CHRNB1-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 CHRNB1 concentration since CHRNB1 from samples and CHRNB1-HRP conjugate compete for the anti-CHRNB1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CHRNB1 from the sample, fewer sites are left to bind CHRNB1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CHRNB1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CHRNB1 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	41327726
NCBI GeneID	1140
NCBI Accession #	NP_000738.2
NCBI GenBank Nucleotide #	NM_000747.2
Molecular Weight	56,698 Da
NCBI Official Full Name	acetylcholine receptor subunit beta
NCBI Official Synonym Full Names	cholinergic receptor, nicotinic, beta 1 (muscle)
NCBI Official Symbol	CHRNB1
NCBI Official Synonym Symbols	ACHRB; CHRNB; CMS1D; CMS2A; SCCMS
NCBI Protein Information	acetylcholine receptor subunit beta; acetylcholine receptor, nicotinic, beta 1 (muscle); cholinergic receptor, nicotinic, beta polypeptide 1 (muscle)
UniProt Protein Name	Acetylcholine receptor subunit beta
UniProt Gene Name	CHRNB1
UniProt Synonym Gene Names	ACHRB; CHRNB
UniProt Entry Name	ACHB_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.