

Human Cholinergic Receptor, Nicotinic, Beta 2 (CHRNb2) ELISA Kit | CHRNb2 elisa kit

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CATALOG #
AAA67734

REACTIVITY
Human

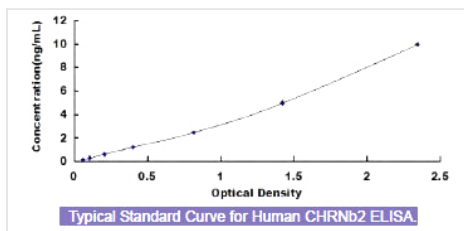
PRODUCT SYNONYMS

Cholinergic Receptor; Nicotinic; Beta 2 (CHRNb2); Human Cholinergic Receptor; Beta 2 (CHRNb2) ELISA Kit; CHR-NB2; CHRN-B2; EFNL3; NACHRB2; N-AChR-B2; N-AChRB2; Neuronal Acetylcholine Receptor Beta 2; CHRNb2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CHRNb2. No significant cross-reactivity or interference between CHRNb2 and analogues was observed.
Sequence Length	502
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CHRNb2 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 CHRNb2 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 CHRNb2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CHRNb2 in human 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 CHRNb2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CHRNb2. 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 CHRNb2, 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 CHRNb2 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 #	4502833
NCBI GeneID	1141
NCBI Accession #	NP_000739.1
NCBI GenBank Nucleotide #	NM_000748.2
UniProt Accession #	P17787; Q9UEH9
Molecular Weight	57,019 Da
NCBI Official Full Name	neuronal acetylcholine receptor subunit beta-2
NCBI Official Synonym Full Names	cholinergic receptor nicotinic beta 2 subunit
NCBI Official Symbol	CHRNA2
NCBI Official Synonym Symbols	EFNL3; nAChRB2
NCBI Protein Information	neuronal acetylcholine receptor subunit beta-2
UniProt Protein Name	Neuronal acetylcholine receptor subunit beta-2
UniProt Gene Name	CHRNA2

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://stage.aaabiotech.com/human-elisa-kits/cholinergic-receptor-nicotinic-beta-2-chrnb2/67734>