

Human Cholinergic Receptor, Nicotinic, Alpha 3 (CHRNA3) ELISA Kit | CHRNA3 elisa kit

Human Cholinergic Receptor, Nicotinic, Alpha 3 (CHRNA3) ELISA Kit

CATALOG #
AAA64875

REACTIVITY
Human

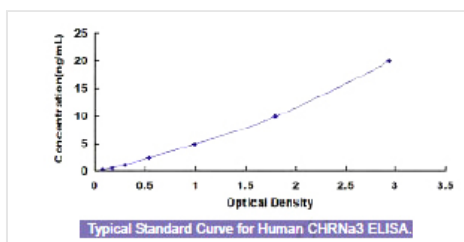
PRODUCT SYNONYMS

Cholinergic Receptor; Nicotinic; Alpha 3 (CHRNA3); Human Cholinergic Receptor; Alpha 3 (CHRNA3) ELISA Kit; CHR-NA3 CHRN-A3 N-AChRA3 NACHRA3 N-AChR-A3 Neuronal Acetylcholine Receptor Alpha 3; CHRNA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CHRNA3. No significant cross-reactivity or interference between CHRNA3 and analogues was observed.
Sequence Length	505
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.107ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CHRNA3 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 CHRNA3 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 CHRNa3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CHRNa3 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 CHRNa3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CHRNa3. 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 CHRNa3, 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 CHRNa3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923122
NCBI GeneID	1136
NCBI Accession #	NP_000734.2
NCBI GenBank Nucleotide #	NM_000743.4
UniProt Accession #	P32297; Q15823; Q4KMN8; Q86U77; Q96RH3; Q99553; Q9BQ93; Q9BRR4
Molecular Weight	55,637 Da
NCBI Official Full Name	neuronal acetylcholine receptor subunit alpha-3 isoform 1
NCBI Official Synonym Full Names	cholinergic receptor nicotinic alpha 3 subunit
NCBI Official Symbol	CHRNA3
NCBI Official Synonym Symbols	LNCR2; PAOD2; NACHRA3
NCBI Protein Information	neuronal acetylcholine receptor subunit alpha-3
UniProt Protein Name	Neuronal acetylcholine receptor subunit alpha-3
UniProt Gene Name	CHRNA3
UniProt Synonym Gene Names	NACHRA3

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cholinergic-receptor-nicotinic-alpha-3-chrna3/64875>