

Human Nicotinic acetylcholine receptor ELISA Kit | N AChR elisa kit

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CATALOG #
AAA16118

REACTIVITY
Human

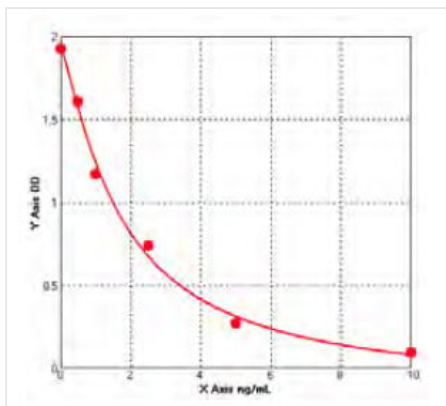
PRODUCT SYNONYMS

Nicotinic acetylcholine receptor; Human Nicotinic acetylcholine receptor ELISA Kit; N AChR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NAR. No significant cross-reactivity or interference between NAR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NAR 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 N AChR elisa kit	Intended Uses: This NAR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanNAR. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: NAR ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NAR antibody and an NAR-HRP conjugate. The assay sample and buffer are incubated together with NAR-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 NAR concentration since NAR from samples and NAR-HRP conjugate compete for the anti-NAR antibody binding site. Since the number of sites is limited, as more sites are occupied by NAR from the sample, fewer sites are left to bind NAR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NAR concentration in each sample is interpolated from this standard curve.
Product Categories/Family for N AChR elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	854159
NCBI GeneID	1137
UniProt Accession #	P43681; Q4JGR7; Q4VAQ5; Q4VAQ6
Molecular Weight	60,994 Da
NCBI Official Full Name	nicotinic acetylcholine receptor, partial
NCBI Official Synonym Full Names	cholinergic receptor, nicotinic, alpha 4 (neuronal)
NCBI Official Symbol	CHRNA4
NCBI Official Synonym Symbols	EBN; BFNC; EBN1; NACHR; NACRA4; NACHRA4
NCBI Protein Information	neuronal acetylcholine receptor subunit alpha-4; cholinergic receptor, nicotinic, alpha polypeptide 4; neuronal nicotinic acetylcholine receptor alpha-4 subunit
UniProt Protein Name	Neuronal acetylcholine receptor subunit alpha-4
UniProt Gene Name	CHRNA4
UniProt Synonym Gene Names	NACRA4
UniProt Entry Name	ACHA4_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://stage.aaabiotech.com/n-achr-human-elisa-kits/nicotinic-acetylcholine-receptor/16118>