

Monkey Nicotinic acetylcholine receptor ELISA Kit | N-AChR elisa kit

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CATALOG #
AAA91994

REACTIVITY
Monkey

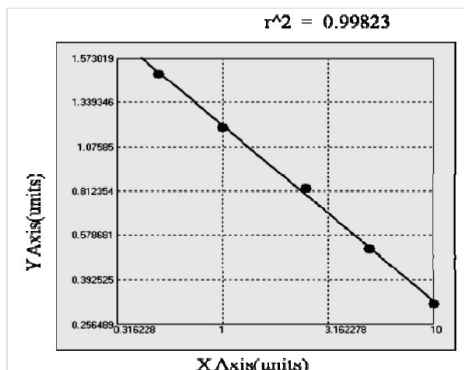
PRODUCT SYNONYMS

Nicotinic acetylcholine receptor; Monkey Nicotinic acetylcholine receptor ELISA Kit; N-AChR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This N-AChR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey N-AChR. This ELISA kit for research use only, not for therapeutic applications!
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

Principle of the assay: N-AChR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-N-AChR antibody and an N-AChR-HRP conjugate. The assay sample and buffer are incubated together with N-AChR-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 N-AChR concentration since N-AChR from samples and N-AChR-HRP conjugate compete for the anti-N-AChR antibody binding site. Since the number of sites is limited, as more sites are occupied by N-AChR from the sample, fewer sites are left to bind N-AChR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The N-AChR concentration in each sample is interpolated from this standard curve.

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.