

Rat Acetylcholine Receptor Antibody (AChR) ELISA Kit | AChR elisa kit

Rat Anti-Acetylcholine Receptor Antibody (Anti-AChR) ELISA Kit

CATALOG #
AAA16504

REACTIVITY
Rat

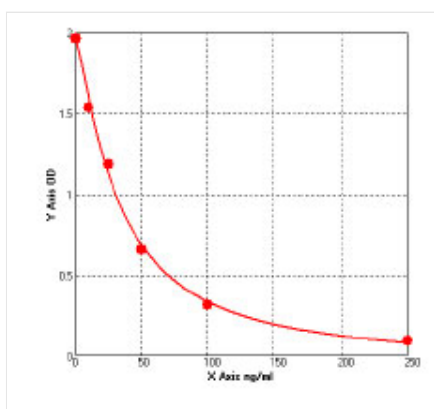
PRODUCT SYNONYMS

Acetylcholine Receptor Antibody (AChR); Rat Anti-Acetylcholine Receptor Antibody (Anti-AChR) ELISA Kit; Anti-Acetylcholine Receptor Antibody (Anti-AChR); Anti-Acetylcholine Receptor Antibody ELISA Kit (Anti-AChR) (Rat); AChR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-AChR. No significant cross-reactivity or interference between Anti-AChR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Anti-AChR and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	297402
NCBI GeneID	1144
UniProt Accession #	Q07001; Q52LH4; A8K661; B4DT92
Molecular Weight	58,895 Da
NCBI Official Full Name	acetylcholine receptor delta subunit
NCBI Official Synonym Full Names	cholinergic receptor, nicotinic, delta (muscle)
NCBI Official Symbol	CHRND
NCBI Official Synonym Symbols	ACHRD; CMS2A; FCCMS; SCCMS
NCBI Protein Information	acetylcholine receptor subunit delta; acetylcholine receptor, nicotinic, delta (muscle); cholinergic receptor, nicotinic, delta polypeptide
UniProt Protein Name	Acetylcholine receptor subunit delta
UniProt Gene Name	CHRND
UniProt Synonym Gene Names	ACHRD
UniProt Entry Name	ACHD_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/rat-elisa-kits/acetylcholine-receptor-antibody-achr/16504>