

Rat acetylcholine (ACh) ELISA Kit | ACh elisa kit

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CATALOG #
AAA53349

REACTIVITY
Rat

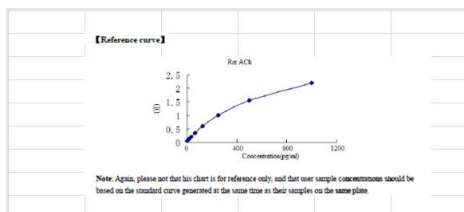
PRODUCT SYNONYMS

acetylcholine (ACh); Rat acetylcholine (ACh) ELISA Kit; ACh elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	482
Samples	Rat serum, plasma or cell culture supernatant
Assay Type	Quantitative Sandwich
Detection Range	1000 pg/mL-15.6 pg/mL
Sensitivity	Up to 5 pg/mL
Intra-assay Precision	<= 8%
Inter-assay Precision	<= 12%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACh elisa kit

Principle of the Assay: As mentioned above, this kit utilizes the Double Antibody Sandwich ELISA technique. The pre-coated antibody is an anti-Rat ACh monoclonal antibody, while the detection antibody is a biotinylated polyclonal antibody. Samples and biotinylated antibodies are added into ELISA plate wells and washed out with PBS or TBS after their respective additions to the wells. Then Avidin-peroxidase conjugates are added to the wells in after. TMB substrate is used for coloration after the enzyme conjugate has already been thoroughly washed out of the wells by PBS or TBS. TMB reacts to form a blue product from the peroxidase activity, and finally turns to yellow after addition of the stop solution (Color Reagent C). The color intensity and quantity of target analyte in the sample are positively correlated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	87567783
NCBI GeneID	1134

NCBI Accession #	NP_001034612.1
NCBI GenBank Nucleotide #	NM_001039523.2
Molecular Weight	51,839 Da
NCBI Official Full Name	acetylcholine receptor subunit alpha isoform a
NCBI Official Synonym Full Names	cholinergic receptor, nicotinic, alpha 1 (muscle)
NCBI Official Symbol	CHRNA1
NCBI Official Synonym Symbols	ACHRA; ACHRD; CHRNA; CMS2A; FCCMS; SCCMS
NCBI Protein Information	acetylcholine receptor subunit alpha; nicotinic cholinergic receptor alpha 1; muscle nicotinic acetylcholine receptor; nicotinic acetylcholine receptor alpha subunit; acetylcholine receptor, nicotinic, alpha 1 (muscle); cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle)
UniProt Protein Name	Acetylcholine receptor subunit alpha
UniProt Gene Name	CHRNA1
UniProt Synonym Gene Names	ACHRA; CHNRA
UniProt Entry Name	ACHA_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-ach/53349>