Rat CHRNA7 (Neuronal acetylcholine receptor subunit alpha-7) ELISA Kit | CHRNA7 elisa kit

Rat CHRNA7 (Neuronal acetylcholine receptor subunit alpha-7) ELISA Kit

CATALOG #	REACTIVITY
AAA250978	**Rat**

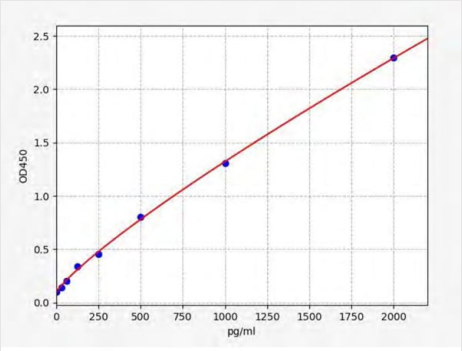
PRODUCT SYNONYMS

CHRNA7 (Neuronal acetylcholine receptor subunit alpha-7); Rat CHRNA7 (Neuronal acetylcholine receptor subunit alpha-7) ELISA Kit; CHRNA7; Neuronal acetylcholine receptor subunit alpha-7; CHRNA7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Specifically recognize CHRNA7, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHRNA7 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti CHRNA7 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti CHRNA7 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with CHRNA7 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of CHRNA7 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.

NCBI AND UNIPROT INFORMATION

NCBI GI #	672036982
NCBI GeneID	25302
NCBI Accession #	XP_008757720
NCBI GenBank Nucleotide #	XM_008759498.1
UniProt Accession #	Q05941; Q53YK2
Molecular Weight	56,503 Da
NCBI Official Full Name	neuronal acetylcholine receptor subunit alpha-7 isoform X2
NCBI Official Synonym Full Names	cholinergic receptor nicotinic alpha 7 subunit
NCBI Official Symbol	Chrna7
NCBI Official Synonym Symbols	BTX; NARAD; nAChRa7
NCBI Protein Information	neuronal acetylcholine receptor subunit alpha-7
UniProt Protein Name	Neuronal acetylcholine receptor subunit alpha-7
UniProt Gene Name	**Chrna7**
UniProt Synonym Gene Names	Acra7
UniProt Entry Name	ACHA7_RAT

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://www.aaabiotech.com/rat-elisa-kits/chrna7-neuronal-acetylcholine-receptor-subunit-alpha-7/250978