

Mouse Cholinergic Receptor, Nicotinic, Alpha 7 (CHRNA7) ELISA Kit | Chrna7 elisa kit

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CATALOG #
AAA219791

REACTIVITY
Mouse

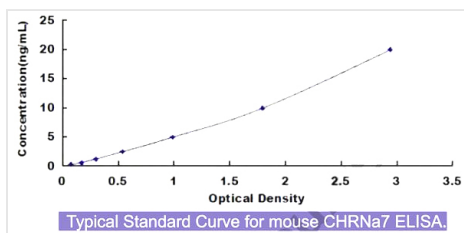
PRODUCT SYNONYMS

Cholinergic Receptor; Nicotinic; Alpha 7 (CHRNA7); Mouse Cholinergic Receptor; Alpha 7 (CHRNA7) ELISA Kit; CHR-NA7; CHRN-A7; N-AChRA7; NACHRA7; N-AChR-A7; Neuronal Acetylcholine Receptor Alpha 7; Chrna7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CHRNA7. No significant cross-reactivity or interference between CHRNA7 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.114ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CHRNA7 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CHRNA7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Chrna7 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CHRNa7. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CHRNa7. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CHRNa7, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of CHRNa7 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CHRNa7 in mouse tissue homogenates, cell lysates or other biological fluids.
Product Categories/Family for Chrna7 elisa kit	Traditional ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	156766082
NCBI GeneID	11441
NCBI Accession #	NP_031416.3
NCBI GenBank Nucleotide #	NM_007390.3
UniProt Accession #	P49582
Molecular Weight	56,632 Da
NCBI Official Full Name	neuronal acetylcholine receptor subunit alpha-7
NCBI Official Synonym Full Names	cholinergic receptor, nicotinic, alpha polypeptide 7
NCBI Official Symbol	Chrna7
NCBI Official Synonym Symbols	Acra7; alpha7
NCBI Protein Information	neuronal acetylcholine receptor subunit alpha-7; alpha7-nAChR; alpha7 nicotinic receptor; acetylcholine receptor alpha 7 neural
UniProt Protein Name	Neuronal acetylcholine receptor subunit alpha-7
UniProt Gene Name	Chrna7
UniProt Synonym Gene Names	Acra7
UniProt Entry Name	ACHA7_MOUSE

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/mouse-elisa-kits/cholinergic-receptor-nicotinic-alpha-7-chrna7/219791>