

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

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CATALOG # AAA250389	REACTIVITY Human
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PRODUCT SYNONYMS

CHRNA7 (Neuronal acetylcholine receptor subunit alpha-7); Human CHRNA7 (Neuronal acetylcholine receptor subunit alpha-7) ELISA Kit; Neuronal acetylcholine receptor subunit alpha-7; CHRNA7; NACHRA7; CHRNA7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CHRNA7. No significant crossreactivity or interference between CHRNA7 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	31.2-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
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

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. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2506127
NCBI GeneID	89832
UniProt Accession #	P36544; Q15826; Q8IUZ4; Q96RH2; Q99555; Q9BXH0; A8K7Q4; B4DFS0; Q494W8
Molecular Weight	502
NCBI Official Full Name	Neuronal acetylcholine receptor subunit alpha-7
NCBI Official Synonym Full Names	CHRNA7 (cholinergic receptor, nicotinic, alpha 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion

NCBI Official Symbol	CHRFAM7A
NCBI Official Synonym Symbols	D-10; CHRNA7; CHRNA7-DR1
NCBI Protein Information	CHRNA7-FAM7A fusion protein; alpha-7 nicotinic cholinergic receptor subunit; alpha 7 neuronal nicotinic acetylcholine receptor-FAM7A hybrid; CHRNA7 (cholinergic receptor, nicotinic, alpha polypeptide 7, exons 5-10) and FAM7A (family with sequence similari
UniProt Protein Name	Neuronal acetylcholine receptor subunit alpha-7
UniProt Gene Name	CHRNA7
UniProt Synonym Gene Names	NACHRA7
UniProt Entry Name	ACHA7_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://www.aaabiotech.com/human-elisa-kits/chrna7-neuronal-acetylcholine-receptor-subunit-alpha-7/250389>