

Human Acetylcholine receptor subunit gamma (CHRNA7) ELISA Kit | CHRNA7 elisa kit

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CATALOG #
AAA246465

REACTIVITY
Human

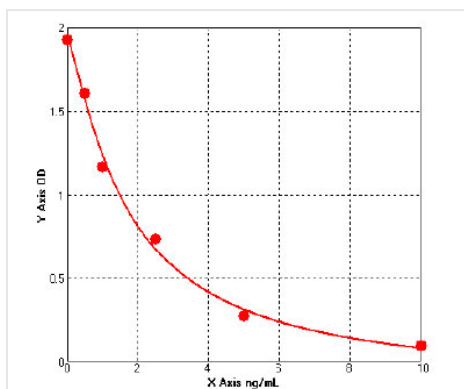
PRODUCT SYNONYMS

Acetylcholine receptor subunit gamma (CHRNA7); Human Acetylcholine receptor subunit gamma (CHRNA7) ELISA Kit; CHRNA7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CHRNA7 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	61743914
NCBI GeneID	1146
NCBI Accession #	NP_005190.4
NCBI GenBank Nucleotide #	NM_005199.4
Molecular Weight	52,020 Da
NCBI Official Full Name	acetylcholine receptor subunit gamma
NCBI Official Synonym Full Names	cholinergic receptor, nicotinic, gamma (muscle)
NCBI Official Symbol	CHRNG
NCBI Official Synonym Symbols	ACHRG
NCBI Protein Information	acetylcholine receptor subunit gamma; acetylcholine receptor, muscle, gamma subunit; acetylcholine receptor, nicotinic, gamma (muscle); cholinergic receptor, nicotinic, gamma polypeptide
UniProt Protein Name	Acetylcholine receptor subunit gamma
UniProt Gene Name	CHRNG
UniProt Synonym Gene Names	ACHRG
UniProt Entry Name	ACHG_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/acetylcholine-receptor-subunit-gamma-chrng/246465>