

Canine Acetylcholine receptor subunit alpha (CHRNA1) ELISA Kit | CHRNA1 elisa kit

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CATALOG #
AAA245997

REACTIVITY
Canine

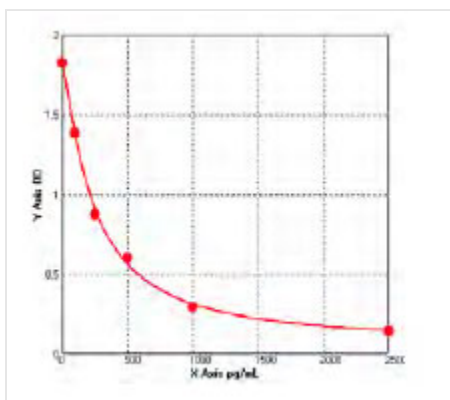
PRODUCT SYNONYMS

Acetylcholine receptor subunit alpha (CHRNA1); Canine Acetylcholine receptor subunit alpha (CHRNA1) ELISA Kit; CHRNA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
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 CHRNA1 elisa kit

Intended Uses: This CHRNA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CHRNA1. This ELISA kit for research use only!

Principle of the Assay: CHRNA1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CHRNA1 antibody and an CHRNA1-HRP conjugate. The assay sample and buffer are incubated together with CHRNA1-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 CHRNA1 concentration since CHRNA1 from samples and CHRNA1-HRP conjugate compete for the anti-CHRNA1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CHRNA1 from the sample, fewer sites are left to bind CHRNA1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CHRNA1 concentration in each sample is interpolated from this standard curve.

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.