

Canine Choline acetylase ELISA Kit | CHAc elisa kit

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CATALOG #
AAA96275

REACTIVITY
Canine

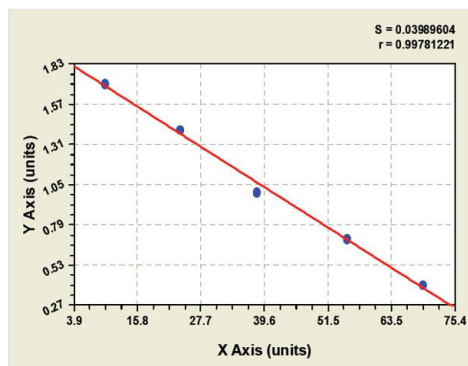
PRODUCT SYNONYMS

Choline acetylase; Canine Choline acetylase ELISA Kit; CHAc elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This CHAc ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CHAc. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHAc elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	218931226
NCBI GeneID	1103
NCBI Accession #	NP_001136406.1
NCBI GenBank Nucleotide #	NM_001142934.1
Molecular Weight	70,394 Da
NCBI Official Full Name	choline O-acetyltransferase isoform 1
NCBI Official Synonym Full Names	choline O-acetyltransferase
NCBI Official Symbol	CHAT
NCBI Official Synonym Symbols	CMS1A; CMS1A2; CHOACTASE
NCBI Protein Information	choline O-acetyltransferase; choline acetylase; acetyl CoA:choline O-acetyltransferase
UniProt Protein Name	Choline O-acetyltransferase
UniProt Gene Name	CHAT
UniProt Synonym Gene Names	CHOACTase; ChAT; Choline acetylase
UniProt Entry Name	CLAT_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://stage.aaabiotech.com/chac-canine-elisa-kits/choline-acetylase/96275>