

Human Choline acetyltransferase ELISA Kit | ChAT elisa kit

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CATALOG #
AAA84349

REACTIVITY
Human

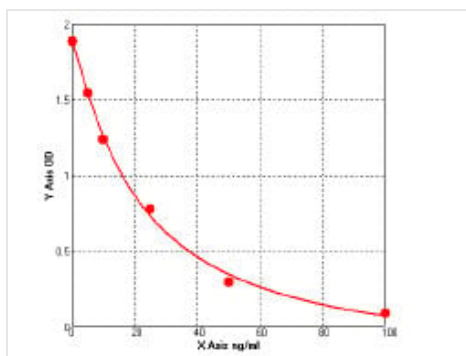
PRODUCT SYNONYMS

Choline acetyltransferase; Human Choline acetyltransferase ELISA Kit; ChAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ChAT elisa kit

Intended Uses: This CH3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CH3. This ELISA kit for research use only!

Principle of the Assay: CH3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CH3 antibody and an CH3-HRP conjugate. The assay sample and buffer are incubated together with CH3-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 CH3 concentration since CH3 from samples and CH3-HRP conjugate compete for the anti-CH3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CH3 from the sample, fewer sites are left to bind CH3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CH3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ChAT elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	553229
NCBI GeneID	1103
Molecular Weight	70,394 Da
NCBI Official Full Name	choline acetyltransferase, partial
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/chat-human-elisa-kits/choline-acetyltransferase/84349>