

Monkey Choline acetyltransferase ELISA Kit | ChAT elisa kit

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CATALOG #
AAA97184

REACTIVITY
Monkey

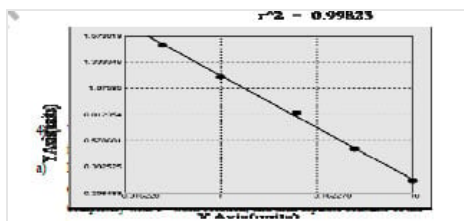
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Monkey
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 ChAT elisa kit

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

Principle of the Assay: ChAT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ChAT antibody and an ChAT-HRP conjugate. The assay sample and buffer are incubated together with ChAT-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 ChAT concentration since ChAT from samples and ChAT-HRP conjugate compete for the anti-ChAT antibody binding site. Since the number of sites is limited, as more sites are occupied by ChAT from the sample, fewer sites are left to bind ChAT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ChAT 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-monkey-elisa-kits/choline-acetyltransferase/97184>