

Rat Choline acetyltransferase ELISA Kit | ChAT elisa kit

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CATALOG #
AAA87176

REACTIVITY
Rat

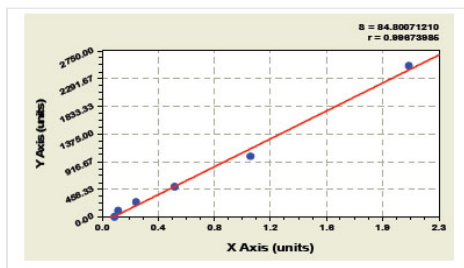
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/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 Rat ChAT. This ELISA kit for research use only!

Principle of the Assay: ChAT ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for ChAT. Standards or samples are then added to the microtiter plate wells and ChAT if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ChAT present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for ChAT are added to each well to "sandwich" the ChAT immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ChAT and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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-rat-elisa-kits/choline-acetyltransferase/87176>