

Mouse choline acetyltransferase (ChAT) ELISA Kit | CHAT elisa kit

Mouse choline acetyltransferase, ChAT ELISA Kit

CATALOG #
AAA112512

REACTIVITY
Mouse

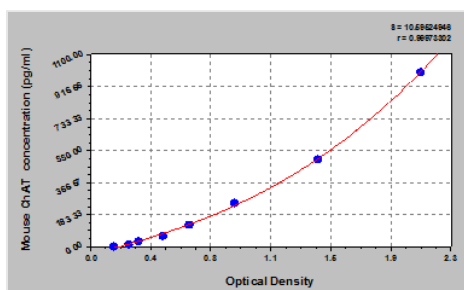
PRODUCT SYNONYMS

choline acetyltransferase (ChAT); Mouse choline acetyltransferase; ChAT ELISA Kit; Mouse choline acetyltransferase (ChAT) ELISA Kit; CMS1A; CMS1A2; acetyl CoA:choline O-acetyltransferase; choline acetyltransferase (ChAT; CHAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse ChAT. No significant cross-reactivity or interference between mouse ChAT and analogues was observed.
Sequence Length	641
Samples	Serum, plasma, tissue homogenates, cell culture supernates
Assay Type	Sandwich
Detection Range	15.6 pg/ml -1000 pg/ml.
Sensitivity	The minimum detectable dose of mouse ChAT is typically less than 3.9 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHAT elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ChAT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ChAT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ChAT is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ChAT bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	416804
NCBI GeneID	12647
UniProt Accession #	Q03059
Molecular Weight	71,853 Da
NCBI Official Full Name	Choline O-acetyltransferase
NCBI Official Synonym Full Names	choline acetyltransferase
NCBI Official Symbol	Chat
NCBI Official Synonym Symbols	B230380D24Rik
NCBI Protein Information	choline O-acetyltransferase; CHOACTase; choline acetylase
UniProt Protein Name	Choline O-acetyltransferase
UniProt Gene Name	Chat
UniProt Synonym Gene Names	CHOACTase; ChAT; Choline acetylase
UniProt Entry Name	CLAT_MOUSE

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://www.aaabiotech.com/mouse-elisa-kits/choline-acetyltransterase-chat/112512>