

Human High Affinity Choline Transporter (ChT) ELISA Kit | ChT elisa kit

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CATALOG #
AAA68527

REACTIVITY
Human

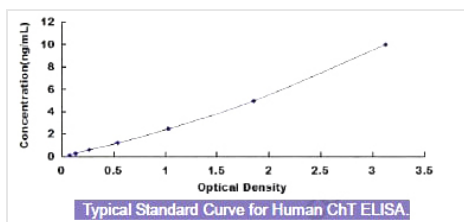
PRODUCT SYNONYMS

High Affinity Choline Transporter (ChT); Human High Affinity Choline Transporter (ChT) ELISA Kit; SLC5A7; hCHT; CHT1; Solute Carrier Family 5 Member 7; Choline Transporter; Hemicholinium-3-sensitive choline transporter; ChT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ChT. No significant cross-reactivity or interference between ChT and analogues was observed.
Sequence Length	580
Samples	Tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.057ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ChT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ChT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ChT elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ChT in human tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ChT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ChT. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ChT, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ChT in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	756761781
NCBI GeneID	60482
NCBI Accession #	NP_001291934.1
NCBI GenBank Nucleotide #	NM_001305005.2
UniProt Accession #	Q9GZV3; Q53TF2
Molecular Weight	63,204 Da
NCBI Official Full Name	high affinity choline transporter 1 isoform a
NCBI Official Synonym Full Names	solute carrier family 5 member 7
NCBI Official Symbol	SLC5A7
NCBI Official Synonym Symbols	CHT; CHT1; CMS20; HMN7A
NCBI Protein Information	high affinity choline transporter 1
UniProt Protein Name	High affinity choline transporter 1
UniProt Gene Name	SLC5A7
UniProt Synonym Gene Names	CHT1; CHT

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/human-elisa-kits/high-affinity-choline-transporter-cht/68527>