

Mouse Cystathionine Beta Synthase (CbS) ELISA Kit | CbS elisa kit

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CATALOG #
AAA64902

REACTIVITY
Mouse

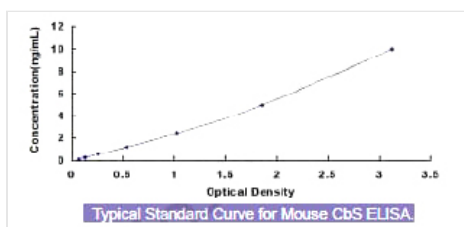
PRODUCT SYNONYMS

Cystathionine Beta Synthase (CbS); Mouse Cystathionine Beta Synthase (CbS) ELISA Kit; HIP4; Beta-thionase; Serine sulfhydryase; CbS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CbS. No significant cross-reactivity or interference between CbS and analogues was observed.
Sequence Length	547
Samples	Mouse tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CbS 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 CbS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CbS elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CbS in mouse tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CbS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CbS. 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 CbS, 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 CbS 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 #	405778333
NCBI GeneID	12411
NCBI Accession #	NP_001258282.1
NCBI GenBank Nucleotide #	NM_001271353.1
UniProt Accession #	Q91WT9; Q91WU3
Molecular Weight	60,193 Da
NCBI Official Full Name	cystathionine beta-synthase isoform 2
NCBI Official Synonym Full Names	cystathionine beta-synthase
NCBI Official Symbol	Cbs
NCBI Official Synonym Symbols	HIP4; AI047524; AI303044
NCBI Protein Information	cystathionine beta-synthase
UniProt Protein Name	Cystathionine beta-synthase
UniProt Gene Name	Cbs

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/mouse-elisa-kits/cystathionine-beta-synthase-cbs/64902>