

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

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CATALOG #
AAA188290

REACTIVITY
Human

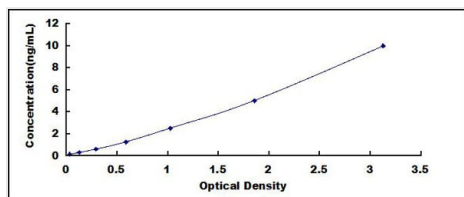
PRODUCT SYNONYMS

Cystathionine Beta Synthase (CbS); Human Cystathionine Beta Synthase (CbS) ELISA Kit; HIP4; Beta-thionase; Serine sulfhydrase; CbS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Cystathionine Beta Synthase (CbS). No significant cross-reactivity or interference between Cystathionine Beta Synthase (CbS) and analogues was observed.
Sequence Length	551
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.062ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Cystathionine Beta Synthase (CbS) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Cystathionine Beta Synthase (CbS) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CbS elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cystathionine Beta Synthase (CbS). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cystathionine Beta Synthase (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 Cystathionine Beta Synthase (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 Cystathionine Beta Synthase (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 #	543959
NCBI GeneID	875
UniProt Accession #	P35520
NCBI Official Full Name	Cystathionine beta-synthase
NCBI Official Synonym Full Names	cystathionine beta-synthase
NCBI Official Symbol	CBS
NCBI Official Synonym Symbols	CBSL; HIP4
NCBI Protein Information	cystathionine beta-synthase
UniProt Protein Name	Cystathionine beta-synthase
UniProt Gene Name	CBS
UniProt Entry Name	CBS_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/human-elisa-kits/cystathionine-beta-synthase-cbs/188290>