

Rat Cystathionine Gamma Lyase (CSE) ELISA Kit | CSE elisa kit

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CATALOG #
AAA64136

REACTIVITY
Rat

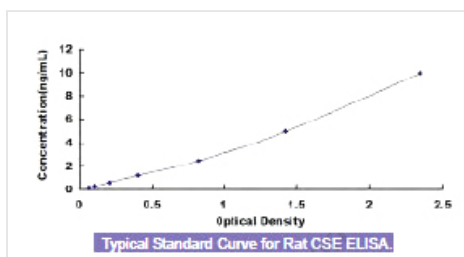
PRODUCT SYNONYMS

Cystathionine Gamma Lyase (CSE); Rat Cystathionine Gamma Lyase (CSE) ELISA Kit; CTH; Cystathionase; Cysteine-protein sulfhydrase; Gamma-cystathionase; CSE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CSE. No significant cross-reactivity or interference between CSE and analogues was observed.
Sequence Length	398
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CSE 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 CSE 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 CSE elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CSE in rat tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CSE. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CSE. 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 CSE, 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 CSE 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 #	8393215
NCBI GeneID	24962
NCBI Accession #	NP_058770.1
NCBI GenBank Nucleotide #	NM_017074.1
UniProt Accession #	P18757
Molecular Weight	43,605 Da
NCBI Official Full Name	cystathionine gamma-lyase
NCBI Official Synonym Full Names	cystathionine gamma-lyase
NCBI Official Symbol	Cth
NCBI Official Synonym Symbols	H
NCBI Protein Information	cystathionine gamma-lyase
UniProt Protein Name	Cystathionine gamma-lyase
UniProt Gene Name	Cth
UniProt Synonym Gene Names	PRB-RA

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.