

Human cystathionine beta synthase (CBS) ELISA Kit | CBS elisa kit

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CATALOG #
AAA27212

REACTIVITY
Human

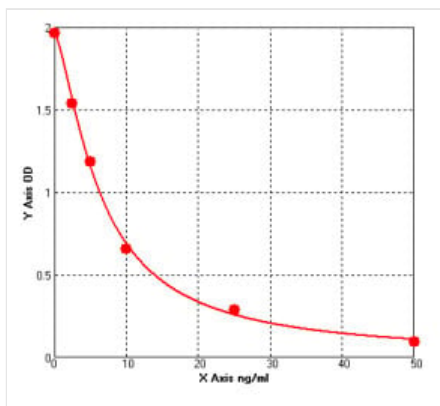
PRODUCT SYNONYMS

cystathionine beta synthase (CBS); Human cystathionine beta synthase (CBS) ELISA Kit; Human cystathionine b synthase (CBS) ELISA Kit; CBS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CBS and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Intended Uses	This CBS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CBS. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CBS elisa kit	Principle of the Assay: CBS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CBS antibody and an CBS-HRP conjugate. The assay sample and buffer are incubated together with CBS-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CBS concentration since CBS from samples and CBS-HRP conjugate compete for the anti-CBS antibody binding site. Since the number of sites is limited, as more sites are occupied by CBS from the sample, fewer sites are left to bind CBS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CBS concentration in each sample is interpolated from this standard curve. Intended Uses: This CBS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CBS. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for CBS elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	543959
NCBI GeneID	875
Molecular Weight	61,863 Da
NCBI Official Full Name	Cystathionine beta-synthase
NCBI Official Synonym Full Names	cystathionine-beta-synthase
NCBI Official Symbol	CBS
NCBI Official Synonym Symbols	HIP4
NCBI Protein Information	cystathionine beta-synthase; beta-thionase; serine sulfhydryase; methylcysteine 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/27212>