

Human Betaine--homocysteine S-methyltransferase 2 ELISA Kit | BHMT2 elisa kit

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CATALOG #
AAA247146

REACTIVITY
Human

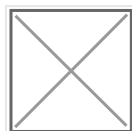
PRODUCT SYNONYMS

Betaine--homocysteine S-methyltransferase 2; Human Betaine--homocysteine S-methyltransferase 2 ELISA Kit; BHMT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BHMT2. No significant cross-reactivity or interference between BHMT2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BHMT2 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	353
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BHMT2 elisa kit

Principle of the Assay: BHMT2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-BHMT2 antibody and an BHMT2-HRP conjugate. The assay sample and buffer are incubated together with BHMT2-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 BHMT2 concentration since BHMT2 from samples and BHMT2-HRP conjugate compete for the anti-BHMT2 antibody binding site. Since the number of sites is limited, as more sites are occupied by BHMT2 from the sample, fewer sites are left to bind BHMT2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BHMT2 concentration in each sample is interpolated from this standard curve.

Intended Uses: This BHMT2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BHMT2. This ELISA kit for research use only, not for therapeutic or test applications!

NCBI AND UNIPROT INFORMATION

NCBI GI #

521020846

NCBI GeneID	102252435
UniProt Accession #	Q9H2M3; Q9NXX7; B7Z516
Molecular Weight	33,167 Da
NCBI Official Full Name	Betaine--homocysteine S-methyltransferase 2, partial
NCBI Official Symbol	BHMT2
NCBI Protein Information	S-methylmethionine--homocysteine S-methyltransferase BHMT2
UniProt Protein Name	S-methylmethionine--homocysteine S-methyltransferase BHMT2
UniProt Gene Name	BHMT2
UniProt Synonym Gene Names	SMM-hcy methyltransferase

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/bhmt2-human-elisa-kits/betaine-homocysteine-s-methyltransferase-2/247146>