

Mouse Betaine--homocysteine S-methyltransferase 1 (BHMT) ELISA Kit | BHMT elisa kit

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CATALOG #
AAA246218

REACTIVITY
Mouse

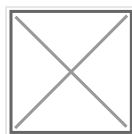
PRODUCT SYNONYMS

Betaine--homocysteine S-methyltransferase 1 (BHMT); Mouse Betaine--homocysteine S-methyltransferase 1 (BHMT) ELISA Kit; BHMT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BHMT elisa kit

Intended Uses: This BH4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse BH4. This ELISA kit for research use only!

Principle of the Assay: BH4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-BH4 antibody and an BH4-HRP conjugate. The assay sample and buffer are incubated together with BH4-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 BH4 concentration since BH4 from samples and BH4-HRP conjugate compete for the anti-BH4 antibody binding site. Since the number of sites is limited, as more sites are occupied by BH4 from the sample, fewer sites are left to bind BH4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BH4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157266337
NCBI GeneID	635
NCBI Accession #	NP_001704.2
NCBI GenBank Nucleotide #	NM_001713.2

Molecular Weight	44,998 Da
NCBI Official Full Name	betaine--homocysteine S-methyltransferase 1
NCBI Official Synonym Full Names	betaine--homocysteine S-methyltransferase
NCBI Official Symbol	BHMT
NCBI Official Synonym Symbols	BHMT1; HEL-S-61p
NCBI Protein Information	betaine--homocysteine S-methyltransferase 1; epididymis secretory sperm binding protein Li 61p
UniProt Protein Name	Betaine--homocysteine S-methyltransferase 1
UniProt Gene Name	BHMT
UniProt Entry Name	BHMT1_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/mouse-elisa-kits/betaine-homocysteine-s-methyltransferase-1-bhmt/246218>