

Human Betaine Homocysteine Methyltransferase 2 (BHMT2) ELISA Kit | BHMT2 elisa kit

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CATALOG #
AAA188268

REACTIVITY
Human

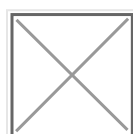
PRODUCT SYNONYMS

Betaine Homocysteine Methyltransferase 2 (BHMT2); Human Betaine Homocysteine Methyltransferase 2 (BHMT2) ELISA Kit; S-methylmethionine--homocysteine S-methyltransferase BHMT2; SMM-hcy methyltransferase; BHMT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Betaine Homocysteine Methyltransferase 2 (BHMT2). No significant cross-reactivity or interference between Betaine Homocysteine Methyltransferase 2 (BHMT2) and analogues was observed.
Sequence Length	363
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.625-40ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.261ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Betaine Homocysteine Methyltransferase 2 (BHMT2) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Betaine Homocysteine Methyltransferase 2 (BHMT2) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 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 BHMT2 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 Betaine Homocysteine Methyltransferase 2 (BHMT2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Betaine Homocysteine Methyltransferase 2 (BHMT2). 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 Betaine Homocysteine Methyltransferase 2 (BHMT2), 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 Betaine Homocysteine Methyltransferase 2 (BHMT2) 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 #	11907831
NCBI GeneID	23743
NCBI Official Full Name	betaine-homocysteine methyltransferase 2
NCBI Official Synonym Full Names	betaine--homocysteine S-methyltransferase 2
NCBI Official Symbol	BHMT2
NCBI Protein Information	S-methylmethionine--homocysteine S-methyltransferase BHMT2

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/betaine-homocysteine-methyltransferase-2-bhmt2/188268>