

Human Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial, MTHFD2 ELISA Kit | MTHFD2 elisa kit

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CATALOG # AAA123722	REACTIVITY Human
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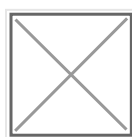
PRODUCT SYNONYMS

Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase; mitochondrial; MTHFD2; Human Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase; MTHFD2 ELISA Kit; MTHFD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	350
Samples	Serum, plasma, cell culture supernates, ascites, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15-3000ng/L
Sensitivity	7.33ng/L
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MTHFD2 elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of Human Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase (also known as MTHFD2) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids. Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human MTHFD2 antibody. MTHFD2 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human MTHFD2 Antibody is added and binds to MTHFD2 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated MTHFD2 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human MTHFD2. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94721354
NCBI GeneID	10797
NCBI GenBank Nucleotide #	NP_006627.2
UniProt Accession #	P13995
NCBI Official Full Name	bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial
NCBI Official Synonym Full Names	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase
NCBI Official Symbol	MTHFD2
NCBI Official Synonym Symbols	NMDMC
NCBI Protein Information	bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial
UniProt Protein Name	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial
UniProt Gene Name	MTHFD2
UniProt Synonym Gene Names	NMDMC
UniProt Entry Name	MTDC_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/bifunctional-methylenetetrahydrofolate-dehydrogenase-cyclohydrolase-mitochondrial-mthfd2/123722>