

Human 5-methyltetrahydrofolate-homocysteine methyltransferase ELISA Kit | MTR elisa kit

Human Methionine synthase, MTR ELISA Kit

CATALOG #
AAA113069

REACTIVITY
Human

PRODUCT SYNONYMS

5-methyltetrahydrofolate-homocysteine methyltransferase; Human Methionine synthase; MTR ELISA Kit; Human Methionine synthase (MTR) ELISA kit; FLJ33168; FLJ43216; FLJ45386; MS; cblG; 5-methyltetrahydrofolate-homocysteine methyltransferase 1; cobalamin-dependent methionine synthase; methionine synthase; vitamin-B12 dependent methionine synthas; MTR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human MTR. No significant cross-reactivity or interference between human MTR and analogues was observed.
Sequence Length	1265
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	< 0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MTR elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MTR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MTR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MTR is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MTR bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	169790923
NCBI GeneID	4548
NCBI Accession #	NP_000245.2
NCBI GenBank Nucleotide #	NM_000254.2
UniProt Accession #	Q99707; Q99713; Q99723; A1L4N8; A9Z1W4; B9EGF7
Molecular Weight	140,527 Da
NCBI Official Full Name	methionine synthase isoform 1
NCBI Official Synonym Full Names	5-methyltetrahydrofolate-homocysteine methyltransferase
NCBI Official Symbol	MTR
NCBI Official Synonym Symbols	MS; HMAG; cbIG
NCBI Protein Information	methionine synthase; cobalamin-dependent methionine synthase; vitamin-B12 dependent methionine synthase; 5-methyltetrahydrofolate-homocysteine methyltransferase 1
UniProt Protein Name	Methionine synthase
UniProt Gene Name	MTR
UniProt Synonym Gene Names	MS
UniProt Entry Name	METH_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/mtr-human-elisa-kits/5-methyltetrahydrofolate-homocysteine-methyltransferase/113069>