

Human Methionine synthase ELISA Kit | MTR elisa kit

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CATALOG #
AAA310130

REACTIVITY
Human

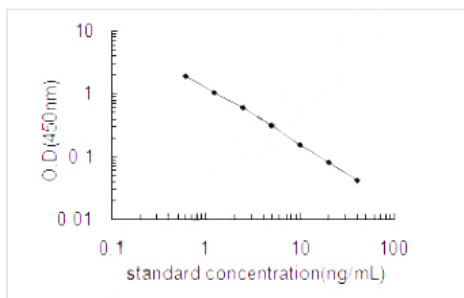
PRODUCT SYNONYMS

Methionine synthase; Human Methionine synthase ELISA Kit; 5-methyltetrahydrofolate--homocysteine methyltransferase; Vitamin-B12 dependent methionine synthase; MS; MTR; 2.1.1.13; MTR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural HumanEcto-NOX disulfide-thiol exchanger 2. No significant cross-reactivity or interference was observed.
Samples	Serum, Plasma, Tissue Homogenates, Cell Culture Supernates, And Other Biological Fluids
Assay Type	Quantitative Competitive
Detection Range	0.31-20.0ng/mL.
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MTR elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of humanEcto-NOX disulfide-thiol exchanger 2 concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.

Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific toEcto-NOX disulfide-thiol exchanger 2. During the reaction,Ecto-NOX disulfide-thiol exchanger 2in the sample or standard competes with a fixed amount of biotin-labeledEcto-NOX disulfide-thiol exchanger 2 for sites on a pre-coated Monoclonal antibody specific to Ecto-NOX disulfide-thiol exchanger 2. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Ecto-NOX disulfide-thiol exchanger 2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

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; B7ZLW7; B9EGF7
Molecular Weight	134,793 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; cblG
NCBI Protein Information	methionine synthase
UniProt Protein Name	Methionine synthase
UniProt Gene Name	MTR
UniProt Synonym Gene Names	MS

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/methionine-synthase/310130>