

Rat Methionine adenosyltransferase 2 subunit beta (MAT2B) ELISA Kit

Catalog No: #EK9871

Orders: order@signalwayantibody.com

Package Size: #EK9871-1 48T #EK9871-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Rat Methionine adenosyltransferase 2 subunit beta (MAT2B) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	MAT-II; MATIIbeta; MGC12237; Nbla02999; SDR23E1; TGR; beta regulatory subunit of methionine adenosyltransferase dTDP-4-keto-6-deoxy-D-glucose 4-reductase putative protein product of Nbla02999 short
Accession No.	Q5U2R0
Uniprot	Q5U2R0
GeneID	683630;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate MAT2B in samples. An antibody specific for MAT2B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMAT2B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAT2B is added to the wells. After washing, Streptavidin 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 MAT2B bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Methionine adenosyltransferase (MAT; EC 2.5.1.6) catalyzes the biosynthesis of S-adenosylmethionine (AdoMet) from methionine and ATP. MAT II is a broadly expressed MAT consisting of catalytic alpha and noncatalytic beta subunits encoded by MAT2A) and MAT2B, respectively.LeGros et al. (2000) designed degenerate PCR primers to tryptic peptide sequence of MAT2B purified from human lymphocytes. They amplified a partial cDNA from Jurkat cells and extended the cDNA using 3-prime and 5-prime RACE. A full-length MAT2B cDNA amplified from normal human peripheral blood mononuclear cell RNA encodes a 334-amino acid protein with a molecular mass of 38 kD.

Note: This product is for in vitro research use only