

Human Methionine Adenosyltransferase I Alpha (MAT1a) RTU ELISA Kit | MAT1a rtu elisa kit

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CATALOG #
AAA219424

REACTIVITY
Human

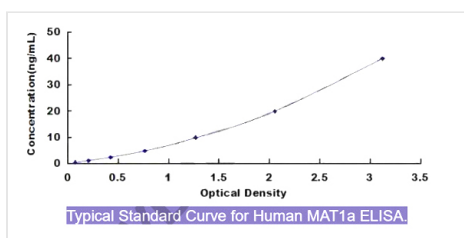
PRODUCT SYNONYMS

Methionine Adenosyltransferase I Alpha (MAT1a); Human Methionine Adenosyltransferase I Alpha (MAT1a) ELISA Kit; MAT; SAMS; MATA1; SAMS1; AMS1; S-Adenosylmethionine Synthetase; S-adenosylmethionine synthase isoform type-1; MAT1a rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MAT1a. No significant cross-reactivity or interference between MAT1a and analogues was observed.
Sequence Length	395
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates or other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.255ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MAT1a were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MAT1a were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAT1a rtu elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MAT1a. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MAT1a. 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 MAT1a, 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 MAT1a in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of MAT1a in human tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557737
NCBI GeneID	4143
NCBI Accession #	NP_000420.1
NCBI GenBank Nucleotide #	NM_000429.2
UniProt Accession #	Q00266; Q5QP09; D3DWD5
Molecular Weight	43,648 Da
NCBI Official Full Name	S-adenosylmethionine synthase isoform type-1
NCBI Official Synonym Full Names	methionine adenosyltransferase 1A
NCBI Official Symbol	MAT1A
NCBI Official Synonym Symbols	MAT; SAMS; MATA1; SAMS1
NCBI Protein Information	S-adenosylmethionine synthase isoform type-1
UniProt Protein Name	S-adenosylmethionine synthase isoform type-1
UniProt Gene Name	MAT1A
UniProt Synonym Gene Names	AMS1; MATA1; AdoMet synthase 1; MAT 1; MAT-I/III

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-rtu-elisa-kits/methionine-adenosyltransferase-i-alpha-mat1a/219424>