

Human Methionine Adenosyltransferase II Alpha (MAT2a) ELISA Kit | MAT2a elisa kit

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CATALOG #
AAA187093

REACTIVITY
Human

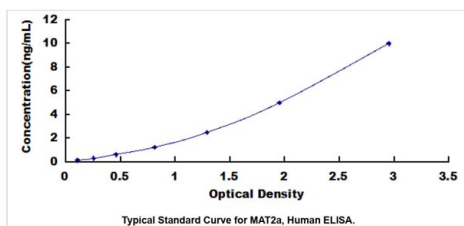
PRODUCT SYNONYMS

Methionine Adenosyltransferase II Alpha (MAT2a); Human Methionine Adenosyltransferase II Alpha (MAT2a) ELISA Kit; SAMS2; MATA2; AMS2; MATII; S-adenosylmethionine synthase isoform type-2; MAT2a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MAT2a. No significant cross-reactivity or interference between MAT2a and analogues was observed.
Sequence Length	299
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MAT2a 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 MAT2a were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAT2a elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MAT2a. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MAT2a. 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 MAT2a, 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 MAT2a 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 in vitro quantitative measurement of MAT2a in human tissue homogenates, cell lysates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119619920
NCBI GeneID	4144
UniProt Accession #	P31153; Q53SP5; A8K511; B4DN45; D6W5L1
Molecular Weight	32,965 Da
NCBI Official Full Name	methionine adenosyltransferase II, alpha, isoform CRA_c
NCBI Official Synonym Full Names	methionine adenosyltransferase 2A
NCBI Official Symbol	MAT2A
NCBI Official Synonym Symbols	MATA2; MATII; SAMS2
NCBI Protein Information	S-adenosylmethionine synthase isoform type-2
UniProt Protein Name	S-adenosylmethionine synthase isoform type-2
UniProt Gene Name	MAT2A
UniProt Synonym Gene Names	AMS2; MATA2; MAT-II

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/methionine-adenosyltransferase-ii-alpha-mat2a/187093>