

Human Arsenic, 3-Oxidation State Methyltransferase (AS3MT) ELISA Kit | AS3MT elisa kit

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CATALOG #
AAA219633

REACTIVITY
Human

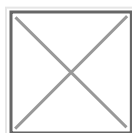
PRODUCT SYNONYMS

Arsenic, 3-Oxidation State Methyltransferase (AS3MT); Human Arsenic, 3-Oxidation State Methyltransferase (AS3MT) ELISA Kit; Methylarsonite methyltransferase; S-adenosyl-L-methionine:arsenic(III) methyltransferase; AS3MT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of APOB. No significant cross-reactivity or interference between APOB and analogues was observed.
Sequence Length	375
Samples	Human Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	12.5-800pg/mL
Sensitivity	5.9pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level APOB 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 APOB were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Stable for 12 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AS3MT elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of APOB in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to APOB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to APOB. 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 APOB, 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 APOB in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	109389364
NCBI GeneID	57412
NCBI Accession #	NP_065733.2
NCBI GenBank Nucleotide #	NM_020682.3
UniProt Accession #	Q9HBK9; Q0VDK3; Q0VDK4; Q5PZ02; A6NP79
Molecular Weight	31,098 Da
NCBI Official Full Name	arsenite methyltransferase
NCBI Official Synonym Full Names	arsenite methyltransferase
NCBI Official Symbol	AS3MT
NCBI Official Synonym Symbols	CYT19
NCBI Protein Information	arsenite methyltransferase
UniProt Protein Name	Arsenite methyltransferase
UniProt Gene Name	AS3MT
UniProt Synonym Gene Names	CYT19

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/arsenic-3-oxidation-state-methyltransferase-as3mt/219633>