

Chicken Arsenic (+3 oxidation state) methyltransferase ELISA Kit | AS3MT elisa kit

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CATALOG # AAA17251	REACTIVITY Chicken
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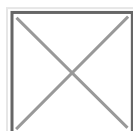
PRODUCT SYNONYMS

Arsenic (+3 oxidation state) methyltransferase; Chicken Arsenic (+3 oxidation state) methyltransferase ELISA Kit; AS3MT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of AOXMT. No significant cross-reactivity or interference between AOXMT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AOXMT and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AS3MT elisa kit	Intended Uses: This AOXMT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of ChickenAOXMT. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: AOXMT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AOXMT antibody and an AOXMT-HRP conjugate. The assay sample and buffer are incubated together with AOXMT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the AOXMT concentration since AOXMT from samples and AOXMT-HRP conjugate compete for the anti-AOXMT antibody binding site. Since the number of sites is limited, as more sites are occupied by AOXMT from the sample, fewer sites are left to bind AOXMT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AOXMT concentration in each sample is interpolated from this standard curve.
Product Categories/Family for AS3MT elisa kit	Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	109389364
NCBI GeneID	57412
NCBI Accession #	NP_065733.2
NCBI GenBank Nucleotide #	NM_020682.3
UniProt Accession #	Q9HBK9; Q5PZ02; A6NP79
Molecular Weight	41,748 Da
NCBI Official Full Name	arsenite methyltransferase
NCBI Official Synonym Full Names	arsenic (+3 oxidation state) methyltransferase
NCBI Official Symbol	AS3MT
NCBI Official Synonym Symbols	CYT19; RP11-753C18.6
NCBI Protein Information	arsenite methyltransferase; methyltransferase cyt19; methylarsonite methyltransferase; S-adenosylmethionine:arsenic (III) methyltransferase; S-adenosyl-L-methionine:arsenic(III) methyltransferase
UniProt Protein Name	Arsenite methyltransferase
UniProt Gene Name	AS3MT
UniProt Synonym Gene Names	CYT19
UniProt Entry Name	AS3MT_HUMAN

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/as3mt-chicken-elisa-kits/arsenic-3oxidationstate-methyltransterase/17251>