

Human Acetylserotonin-O-Methyltransferase (ASMT) ELISA Kit | ASMT elisa kit

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CATALOG #
AAA66884

REACTIVITY
Human

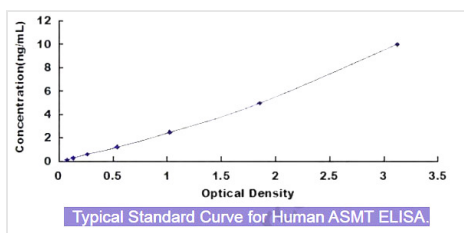
PRODUCT SYNONYMS

Acetylserotonin-O-Methyltransferase (ASMT); Human Acetylserotonin-O-Methyltransferase (ASMT) ELISA Kit; HIOMT; ASMTY; HIOMTY; Hydroxyindole O-methyltransferase; ASMT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ASMT. No significant cross-reactivity or interference between ASMT and analogues was observed.
Sequence Length	373
Samples	Human tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.067ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ASMT 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 ASMT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI GI #	283549144
NCBI GeneID	438
NCBI Accession #	NP_001164509.1
NCBI GenBank Nucleotide #	NM_001171038.1
UniProt Accession #	P46597; Q16598; Q5JQ72; Q5JQ73; B2RC33
Molecular Weight	41,661 Da
NCBI Official Full Name	acetylserotonin O-methyltransferase isoform 1
NCBI Official Synonym Full Names	acetylserotonin O-methyltransferase
NCBI Official Symbol	ASMT
NCBI Official Synonym Symbols	ASMTY; HIOMT; HIOMTY
NCBI Protein Information	acetylserotonin O-methyltransferase
UniProt Protein Name	Acetylserotonin O-methyltransferase
UniProt Gene Name	ASMT
UniProt Synonym Gene Names	HIOMT

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-elisa-kits/acetylserotonin-o-methyltransferase-asmt/66884>