

Human Mercaptopyruvate Sulfurtransferase (MPST) ELISA Kit | MPST elisa kit

Human Mercaptopyruvate Sulfurtransferase (MPST) ELISA Kit

CATALOG #
AAA65057

REACTIVITY
Human

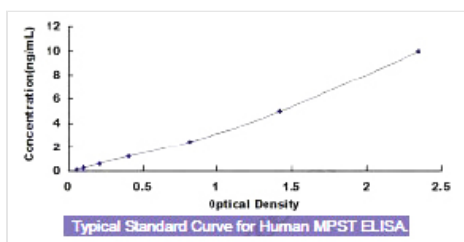
PRODUCT SYNONYMS

Mercaptopyruvate Sulfurtransferase (MPST); Human Mercaptopyruvate Sulfurtransferase (MPST) ELISA Kit; MST; TST2; Human Liver Rhodanese; MPST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MPST. No significant cross-reactivity or interference between MPST and analogues was observed.
Sequence Length	297
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MPST 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 MPST 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 MPST elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MPST in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MPST. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MPST. 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 MPST, 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 MPST in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	61835204
NCBI GeneID	4357
NCBI Accession #	NP_001013454.1
NCBI GenBank Nucleotide #	NM_001013436.2
UniProt Accession #	P25325; O75750; Q6FHN9; A8MZ34; B3KP52; J3KPV7
Molecular Weight	35,250 Da
NCBI Official Full Name	3-mercaptopyruvate sulfurtransferase isoform 2
NCBI Official Synonym Full Names	mercaptopyruvate sulfurtransferase
NCBI Official Symbol	MPST
NCBI Official Synonym Symbols	MST; TST2; TUM1
NCBI Protein Information	3-mercaptopyruvate sulfurtransferase
UniProt Protein Name	3-mercaptopyruvate sulfurtransferase
UniProt Gene Name	MPST
UniProt Synonym Gene Names	TST2; MST

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/mercaptopyruvate-sulfurtransferase-mpst/65057>