

Mouse 3-Mercaptopyruvate Sulfurtransferase (MPST) ELISA Kit | MPST elisa kit

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CATALOG #
AAA332408

REACTIVITY
Mouse

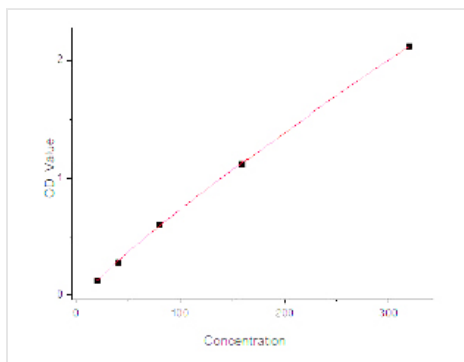
PRODUCT SYNONYMS

3-Mercaptopyruvate Sulfurtransferase (MPST); Mouse 3-Mercaptopyruvate Sulfurtransferase (MPST) ELISA Kit; MPST; MGC24539; MST; TST2; 3-mercaptopyruvate sulfurtransferase; OTTHUMP00000197788; OTTHUMP00000197791; human liver rhodanese; MPST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse 3-Mercaptopyruvate Sulfurtransferase (MPST) ELISA has high sensitivity and excellent specificity for detection of Mouse MPST. No significant cross-reactivity or interference between Mouse MPST and analogues was observed.
Sequence Length	297
Assay Type	Sandwich
Samples	Mouse serum, cell culture supernates and other biological fluids
Detection Range	20 pg/mL - 320 pg/mL
Sensitivity	< 1 pg/mL
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MPST elisa kit	Background: In enzymology, a 3-mercaptopyruvate sulfurtransferase is an enzyme that catalyzes the chemical reactions of 3-mercaptopyruvate. This enzyme belongs to the family of transferases, specifically the sulfurtransferases. This enzyme participates in cysteine metabolism. It is encoded by the MPST gene. Deficiency in MPST activity has been implicated in a rare inheritable disorder known as mercaptolactate-cysteine disulfiduria (MCDU). Alternatively spliced transcript variants encoding same or different isoforms have been identified for this gene. Principle of the Assay: Mouse 3-Mercaptopyruvate Sulfurtransferase (MPST) ELISA employs a two-site sandwich ELISA to quantitate MPST in samples. An antibody specific for MPST has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MPST present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Mouse MPST detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of MPST bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1375383936
UniProt Accession #	Q99J99
NCBI Official Full Name	3-mercaptopyruvate sulfurtransferase
UniProt Protein Name	3-mercaptopyruvate sulfurtransferase
UniProt Gene Name	Mpst
UniProt Synonym Gene Names	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/mouse-elisa-kits/3-mercaptopyruvate-sulfurtransferase-mpst/332408>