

Mouse Microsomal Glutathione S Transferase 1 (MGST1) ELISA Kit | MGST1 elisa kit

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CATALOG #
AAA64268

REACTIVITY
Mouse

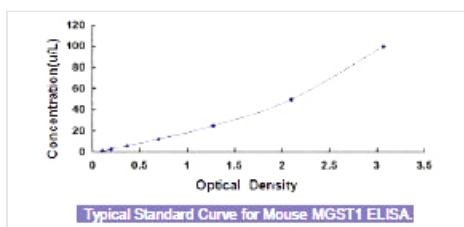
PRODUCT SYNONYMS

Microsomal Glutathione S Transferase 1 (MGST1); Mouse Microsomal Glutathione S Transferase 1 (MGST1) ELISA Kit; GST12; MGST-I; MGST1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MGST1. No significant cross-reactivity or interference between MGST1 and analogues was observed.
Sequence Length	155
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100U/L
Sensitivity	1U/L
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MGST1 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 MGST1 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 MGST1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MGST1 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MGST1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MGST1. 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 MGST1, 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 MGST1 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 #	19705453
NCBI GeneID	171341
NCBI Accession #	NP_599176.1
NCBI GenBank Nucleotide #	NM_134349.3
UniProt Accession #	P08011
Molecular Weight	17,472 Da
NCBI Official Full Name	microsomal glutathione S-transferase 1
NCBI Official Synonym Full Names	microsomal glutathione S-transferase 1
NCBI Official Symbol	Mgst1
NCBI Protein Information	microsomal glutathione S-transferase 1
UniProt Protein Name	Microsomal glutathione S-transferase 1
UniProt Gene Name	Mgst1
UniProt Synonym Gene Names	Gst12; Microsomal GST-1

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/mouse-elisa-kits/microsomal-glutathione-s-transferase-1-mgst1/64268>