

Mouse Glutathione Synthetase (GSS) ELISA Kit | GSS elisa kit

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CATALOG #
AAA66379

REACTIVITY
Mouse

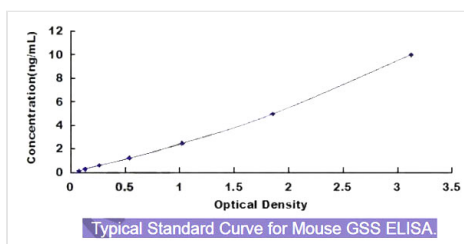
PRODUCT SYNONYMS

Glutathione Synthetase (GSS); Mouse Glutathione Synthetase (GSS) ELISA Kit; Glutathione synthase; GSS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GSS. No significant cross-reactivity or interference between GSS and analogues was observed.
Sequence Length	474
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates or other biological fluids
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 GSS 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 GSS 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 GSS elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GSS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GSS. 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 GSS, 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 GSS in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of GSS in mouse serum, plasma, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6680117
NCBI GeneID	14854
NCBI Accession #	NP_032206.1
NCBI GenBank Nucleotide #	NM_008180.2
UniProt Accession #	P51855
Molecular Weight	52,247 Da
NCBI Official Full Name	glutathione synthetase isoform a
NCBI Official Synonym Full Names	glutathione synthetase
NCBI Official Symbol	Gss
NCBI Official Synonym Symbols	GSH-S; AI314904; GS-A/GS-B
NCBI Protein Information	glutathione synthetase
UniProt Protein Name	Glutathione synthetase
UniProt Gene Name	Gss
UniProt Synonym Gene Names	GSH synthetase; GSH-S

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.