

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

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CATALOG #
AAA66974

REACTIVITY
Human

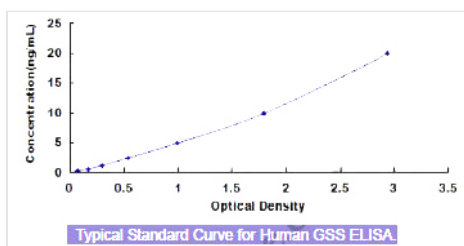
PRODUCT SYNONYMS

Glutathione Synthetase (GSS); Human Glutathione Synthetase (GSS) ELISA Kit; GSS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.127ng/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	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GSS in human serum, plasma, tissue homogenates and other biological fluids. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504169
NCBI GeneID	2937
NCBI Accession #	NP_000169.1
NCBI GenBank Nucleotide #	NM_000178.3
UniProt Accession #	P48637; Q4TTD9; B2R697; B6F210; E1P5P9
Molecular Weight	40,349 Da
NCBI Official Full Name	glutathione synthetase
NCBI Official Synonym Full Names	glutathione synthetase
NCBI Official Symbol	GSS
NCBI Official Synonym Symbols	GSHS; HEL-S-64p; HEL-S-88n
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/glutathione-synthetase-gss/66974>