

Mouse Glutaminase 2 (GLS2) ELISA Kit | GLS2 elisa kit

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CATALOG #
AAA63320

REACTIVITY
Mouse

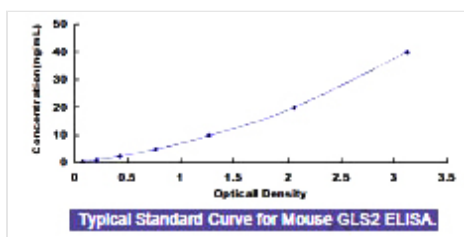
PRODUCT SYNONYMS

Glutaminase 2 (GLS2); Mouse Glutaminase 2 (GLS2) ELISA Kit; GA; GLS; LGA; hLGA; L-glutaminase; L-glutamine amidohydrolase; GLS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GLS2. No significant cross-reactivity or interference between GLS2 and analogues was observed.
Sequence Length	602
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	0.25ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GLS2 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 GLS2 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 GLS2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GLS2 in mouse 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 GLS2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GLS2. 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 GLS2, 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 GLS2 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 #	254826698
NCBI GeneID	216456
NCBI Accession #	NP_001028436.2
NCBI GenBank Nucleotide #	NM_001033264.3
UniProt Accession #	Q571F8; Q3TMJ6; B2RUF2
Molecular Weight	66,366 Da
NCBI Official Full Name	glutaminase liver isoform, mitochondrial isoform 1
NCBI Official Synonym Full Names	glutaminase 2 (liver, mitochondrial)
NCBI Official Symbol	Gls2
NCBI Official Synonym Symbols	GA; GLS; Lga; AI195532; A330074B06Rik
NCBI Protein Information	glutaminase liver isoform, mitochondrial
UniProt Protein Name	Glutaminase liver isoform, mitochondrial
UniProt Gene Name	Gls2
UniProt Synonym Gene Names	Kiaa4146; GLS

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.