

Mouse GS (Glutamine synthetase) ELISA Kit | GS elisa kit

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CATALOG #
AAA249931

REACTIVITY
Mouse

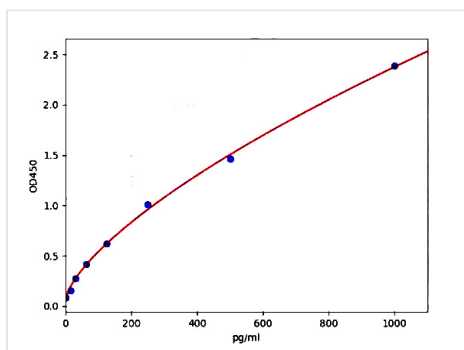
PRODUCT SYNONYMS

GS (Glutamine synthetase); Mouse GS (Glutamine synthetase) ELISA Kit; Glutamine synthetase; GS; Glutamate--ammonia ligase; Palmitoyltransferase GLUL; GS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GS. No significant cross-reactivity or interference between GS and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GS elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31982332
NCBI GeneID	14645
NCBI Accession #	NP_032157.2
NCBI GenBank Nucleotide #	NM_008131.4
UniProt Accession #	P15105; Q3TRK7; Q64432; Q91VC6
Molecular Weight	42,120 Da
NCBI Official Full Name	glutamine synthetase
NCBI Official Synonym Full Names	glutamate-ammonia ligase (glutamine synthetase)
NCBI Official Symbol	Glul
NCBI Official Synonym Symbols	GS; Glns
NCBI Protein Information	glutamine synthetase
UniProt Protein Name	Glutamine synthetase
UniProt Gene Name	Glul
UniProt Synonym Gene Names	Glns; GS

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.