

Mouse Glutamine synthetase (GS) CLIA Kit | GS clia kit

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CATALOG # AAA189101	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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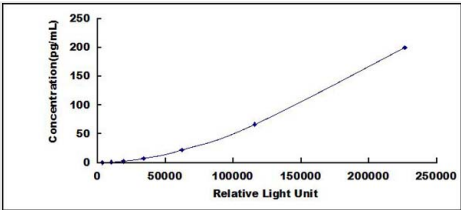
PRODUCT SYNONYMS

Glutamine synthetase (GS); Mouse Glutamine synthetase (GS) CLIA Kit; Glutamine synthetase; GLNS; GLUL; Glutamate-Ammonia Ligase; Glutamate decarboxylase; GS clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Glutamine synthetase (GS). No significant cross-reactivity or interference between Glutamine synthetase (GS) and analogues was observed.
Sequence Length	373
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cerebrospinal fluid, cell culture supernates and other biological fluids
Detection Range	0.27-200pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.12pg/mL
Applicable Applications for GS clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Glutamine synthetase (GS) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Glutamine synthetase (GS) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Glutamine synthetase (GS). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Glutamine synthetase (GS). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Glutamine synthetase (GS) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	31982332
NCBI GeneID	14645
NCBI Accession #	NP_032157.2
NCBI GenBank Nucleotide #	NP_032157.2
UniProt Accession #	P15105
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.

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Online datasheet: <https://www.aaabiotech.com/mouse-clia-kits/glutamine-synthetase-gs/189101>