

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

Human Glutamine synthetase (GS) ELISA Kit

CATALOG #
AAA67985

REACTIVITY
Human

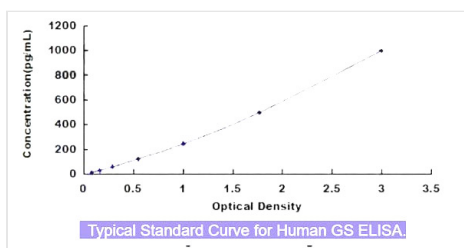
PRODUCT SYNONYMS

Glutamine synthetase (GS); Human Glutamine synthetase (GS) ELISA Kit; GLNS; GLUL; Glutamate-Ammonia Ligase; Glutamate decarboxylase; GS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	1,512
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cerebrospinal fluid or other biological fluids
Detection Range	15.6-1000pg/mL
Sensitivity	< 5.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GS 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 GS 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 GS elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GS. 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 GS, 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 GS 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 GS in human serum, plasma, tissue homogenates, cerebrospinal fluid or other biological fluids.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	62241042
NCBI GeneID	2058
NCBI Accession #	NP_004437.2
NCBI GenBank Nucleotide #	NM_004446.2
UniProt Accession #	P07814; Q05BP6; Q05DF8; Q5DSM1; Q5H9S5; Q6PD57; Q86X73; A0AVA9; B9EGH3
Molecular Weight	170,591 Da
NCBI Official Full Name	bifunctional glutamate/proline--tRNA ligase
NCBI Official Synonym Full Names	glutamyl-prolyl-tRNA synthetase
NCBI Official Symbol	EPRS
NCBI Official Synonym Symbols	EARS; PARS; QARS; QPRS; PIG32; GLUPRORS
NCBI Protein Information	bifunctional glutamate/proline--tRNA ligase
UniProt Protein Name	Bifunctional glutamate/proline--tRNA ligase
UniProt Gene Name	EPRS
UniProt Synonym Gene Names	GLNS; PARS; QARS; QPRS; GluRS

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/glutamine-synthetase-gs/67985>