

Human Glutamine synthetase ELISA Kit | GS elisa kit

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CATALOG #
AAA83384

REACTIVITY
Human

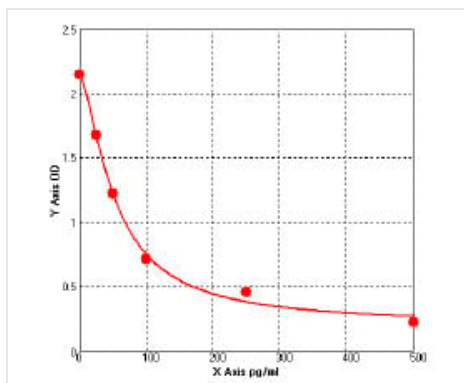
PRODUCT SYNONYMS

Glutamine synthetase; Human Glutamine synthetase ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GS and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Intended Uses	This GS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GS. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GS elisa kit	Principle of the Assay: GS ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-GS antibody and an GS-HRP conjugate. The assay sample and buffer are incubated together with GS-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GS concentration since GS from samples and GS-HRP conjugate compete for the anti-GS antibody binding site. Since the number of sites is limited, as more sites are occupied by GS from the sample, fewer sites are left to bind GS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GS concentration in each sample is interpolated from this standard curve. Intended Uses: This GS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GS. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16131710
NCBI GeneID	948370
NCBI Accession #	NP_418306.1
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P0A9C5; P06711; Q2M8G7
Molecular Weight	51,904 Da
NCBI Official Full Name	glutamine synthetase
NCBI Official Symbol	glnA
NCBI Official Synonym Symbols	ECK3863; JW3841
NCBI Protein Information	glutamine synthetase
UniProt Protein Name	Glutamine synthetase
UniProt Gene Name	glnA
UniProt Synonym Gene Names	b3870; JW3841
UniProt Entry Name	GLNA_ECOLI

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.