

Chicken Glutamine synthetase (GLUL) ELISA Kit | GLUL elisa kit

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CATALOG #
AAA245603

REACTIVITY
Chicken

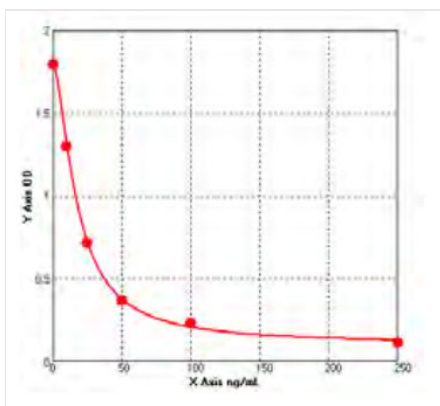
PRODUCT SYNONYMS

Glutamine synthetase (GLUL); Chicken Glutamine synthetase (GLUL) ELISA Kit; GLUL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of GLUL. No significant cross-reactivity or interference between GLUL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GLUL 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 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLUL elisa kit	Principle of the Assay: GLUL ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GLUL antibody and an GLUL-HRP conjugate. The assay sample and buffer are incubated together with GLUL-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 GLUL concentration since GLUL from samples and GLUL-HRP conjugate compete for the anti-GLUL antibody binding site. Since the number of sites is limited, as more sites are occupied by GLUL from the sample, fewer sites are left to bind GLUL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GLUL concentration in each sample is interpolated from this standard curve. Intended Uses: This GLUL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken GLUL. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for GLUL elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	74271837
NCBI GeneID	2752
NCBI Accession #	NP_001028216.1
NCBI GenBank Nucleotide #	NM_001033044.2
Molecular Weight	42,064 Da
NCBI Official Full Name	glutamine synthetase
NCBI Official Synonym Full Names	glutamate-ammonia ligase
NCBI Official Symbol	GLUL
NCBI Official Synonym Symbols	GS; GLNS; PIG43; PIG59
NCBI Protein Information	glutamine synthetase; glutamine synthase; glutamate decarboxylase; glutamate--ammonia ligase; proliferation-inducing protein 43; cell proliferation-inducing protein 59
UniProt Protein Name	Glutamine synthetase
UniProt Gene Name	GLUL
UniProt Synonym Gene Names	GLNS; GS
UniProt Entry Name	GLNA_HUMAN

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.