

Bovine Glutamine synthetase ELISA Kit | GLUL elisa kit

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CATALOG #
AAA194015

REACTIVITY
Bovine

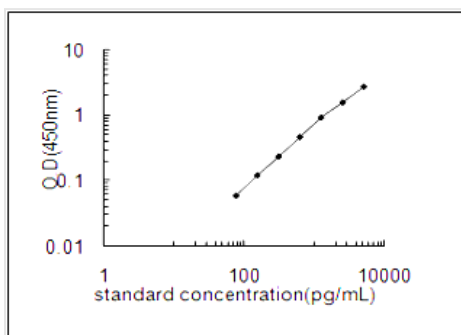
PRODUCT SYNONYMS

Glutamine synthetase; Bovine Glutamine synthetase ELISA Kit; GS; Glutamate decarboxylase; Glutamate--ammonia ligase; GLUL; 6.3.1.2; 4.1.1.15; GLUL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay recognizes recombinant and natural bovine GS. No significant cross-reactivity or interference was observed.
Sequence Length	373
Samples	Serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.
Detection Range	78.0 pg/mL -5000 pg/mL.
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLUL elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of bovine glutamine synthetase, GS concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.

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 polyclonal antibody preparation specific for GS and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. 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 a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of GS in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	95006991
NCBI GeneID	281199
NCBI Accession #	NP_001035564.1
NCBI GenBank Nucleotide #	NM_001040474.2
UniProt Accession #	P15103; O02850; Q3ZBU6; Q866Q7
Molecular Weight	42,031 Da
NCBI Official Full Name	glutamine synthetase
NCBI Official Symbol	GLUL
NCBI Protein Information	glutamine synthetase
UniProt Protein Name	Glutamine synthetase
UniProt Gene Name	GLUL
UniProt Synonym Gene Names	GS
UniProt Entry Name	GLNA_BOVIN

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://stage.aaabiotech.com/glul-bovine-ovine-elisa-kits/glutamine-synthetase/194015>