

Human Glutaminase kidney isoform, mitochondrial ELISA Kit | GLS elisa kit

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CATALOG #
AAA98318

REACTIVITY
Human

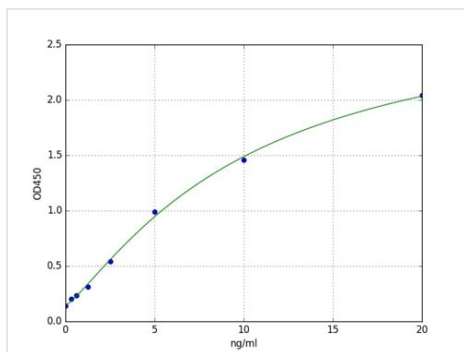
PRODUCT SYNONYMS

Glutaminase kidney isoform; mitochondrial; Human Glutaminase kidney isoform; mitochondrial ELISA Kit; GLS/Glutaminase kidney isoform; mitochondrial/GLS/K-glutaminase/L-glutamine amidohydrolase/GLS1; GLS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	669
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human GLS ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.034	0.100	0.167	0.348	0.6176	1.135	1.819	2.276

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLS elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human GLSantibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human GLS antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human GLS amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration ofHuman GLS can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156104878
NCBI GeneID	2744
NCBI Accession #	NP_055720.3
NCBI GenBank Nucleotide #	NM_014905.4
Molecular Weight	65,460 Da
NCBI Official Full Name	glutaminase kidney isoform, mitochondrial isoform 1
NCBI Official Synonym Full Names	glutaminase
NCBI Official Symbol	GLS
NCBI Official Synonym Symbols	GAC; GAM; KGA; GLS1; AAD20
NCBI Protein Information	glutaminase kidney isoform, mitochondrial
UniProt Protein Name	Glutaminase kidney isoform, mitochondrial
UniProt Gene Name	GLS
UniProt Synonym Gene Names	GLS1; KIAA0838; GLS
UniProt Entry Name	GLSK_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.

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Online datasheet: <https://stage.aaabiotech.com/gls-human-elisa-kits/glutaminase-kidney-isoform-mitochondrial/98318>