

Human Glutamate--cysteine ligase catalytic subunit ELISA Kit | GCLC elisa kit

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CATALOG #
AAA100274

REACTIVITY
Human

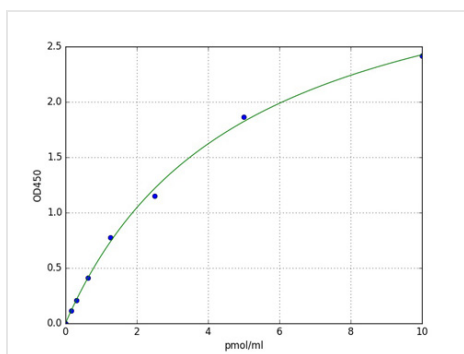
PRODUCT SYNONYMS

Glutamate--cysteine ligase catalytic subunit; Human Glutamate--cysteine ligase catalytic subunit ELISA Kit; GCLC/Glutamate--cysteine ligase catalytic subunit/Gamma-glutamylcysteine synthetase/GCS heavy chain/Gamma-ECS/GCS/GLCL/GLCLC; GCLC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 GCLC 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	nmol/L	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.013	0.221	0.385	0.671	1.058	1.424	1.699	1.970

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCLC elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human GCLC antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human GCLC 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. HRP streptavidin 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 GCLC amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human GCLC can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	39726049
NCBI GeneID	2729
Molecular Weight	72,766 Da
NCBI Official Full Name	glutamate-cysteine ligase catalytic subunit, partial
NCBI Official Synonym Full Names	glutamate-cysteine ligase catalytic subunit
NCBI Official Symbol	GCLC
NCBI Official Synonym Symbols	GCL; GCS; GLCL; GLCLC
NCBI Protein Information	glutamate--cysteine ligase catalytic subunit
UniProt Protein Name	Glutamate--cysteine ligase catalytic subunit
UniProt Gene Name	GCLC
UniProt Synonym Gene Names	GLCL; GLCLC
UniProt Entry Name	GSH1_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/gclc-human-elisa-kits/glutamate-cysteine-ligase-catalytic-subunit/100274>