

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

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CATALOG #
AAA194586

REACTIVITY
Human

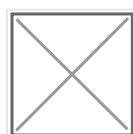
PRODUCT SYNONYMS

Glutamate--cysteine ligase catalytic subunit; Human Glutamate--cysteine ligase catalytic subunit ELISA Kit; GCS heavy chain; Gamma-ECS; Gamma-glutamylcysteine synthetase; GCLC; GLCL; GLCLC; 6.3.2.2; GCLC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural humanGlutamate--cysteine ligase catalytic subunit. No significant cross-reactivity or interference was observed.
Sequence Length	599
Assay Type	Sandwich
Detection Range	0.156-10 ng/ml
Sensitivity	7.8 pg/mL
Intra-Assay CV	<=5.6%
Inter-Assay CV	<=7.3%
Recovery	84%
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 GCLC elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human glutamate--cysteine ligase catalytic subunit, Glutamate--cysteine ligase catalytic subunit 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 Glutamate--cysteine ligase catalytic subunit. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Glutamate--cysteine ligase catalytic subunit 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 Glutamate--cysteine ligase catalytic subunit, 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 Glutamate--cysteine ligase catalytic subunit in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	308199423
NCBI GeneID	2729
NCBI Accession #	NP_001184044.1
NCBI GenBank Nucleotide #	NM_001197115.1
UniProt Accession #	P48506; Q14399
Molecular Weight	72,766 Da
NCBI Official Full Name	glutamate--cysteine ligase catalytic subunit isoform b
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/194586>