

Rat Glutamate Cysteine Ligase, Catalytic (GCLC) RTU ELISA Kit | GCLC rtu elisa kit

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CATALOG #
AAA70839

REACTIVITY
Rat

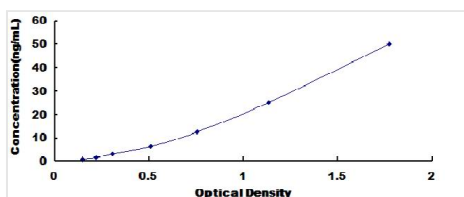
PRODUCT SYNONYMS

Glutamate Cysteine Ligase; Catalytic (GCLC); Rat Glutamate Cysteine Ligase; Catalytic (GCLC) ELISA Kit; GCS; GLCL; GLCLC; Gamma-glutamylcysteine synthetase; Gamma-ECS; GCLC rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	637
Assay Type	Sandwich
Samples	Serum, Plasma, Tissue Homogenates or Other Biological Fluids.
Detection Range	0.781-50ng/mL
Sensitivity	0.33ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCLC rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GCLC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GCLC. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GCLC, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of GCLC in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	25742748
NCBI GeneID	25283
NCBI Accession #	NP_036947.1
NCBI GenBank Nucleotide #	NM_012815.2
UniProt Accession #	P19468
Molecular Weight	72,619 Da
NCBI Official Full Name	glutamate--cysteine ligase catalytic subunit
NCBI Official Synonym Full Names	glutamate-cysteine ligase, catalytic subunit
NCBI Official Symbol	Gclc
NCBI Official Synonym Symbols	Glccl
NCBI Protein Information	glutamate--cysteine ligase catalytic subunit
UniProt Protein Name	Glutamate--cysteine ligase catalytic subunit
UniProt Gene Name	Gclc
UniProt Synonym Gene Names	Glccl

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/rat-rtu-elisa-kits/glutamate-cysteine-ligase-catalytic-gclc/70839>