

Rat GCLM ELISA Kit | GCLM elisa kit

Rat GCLM (Glutamate Cysteine Ligase, Modifier Subunit) ELISA Kit

CATALOG #
AAA163590

REACTIVITY
Rat

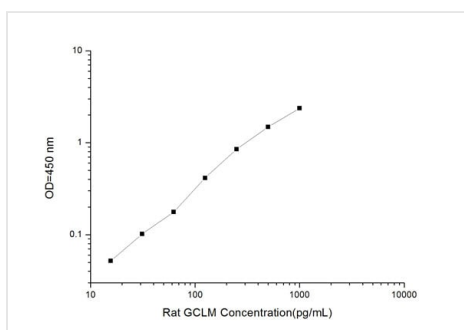
PRODUCT SYNONYMS

GCLM; Rat GCLM (Glutamate Cysteine Ligase; Modifier Subunit) ELISA Kit; GCLM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat GCLM. No significant cross-reactivity or interference between Rat GCLM and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat GCLM and all the analogues, therefore, cross reaction may still exist.
Sequence Length	274
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	Min: 9.375pg/mL; Max: 1000pg/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCLM elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GCLM in Rat serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat GCLM. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Rat GCLM and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat GCLM, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat GCLM. You can calculate the concentration of Rat GCLM in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504011
NCBI GeneID	2730
NCBI Accession #	NP_002052.1
NCBI GenBank Nucleotide #	NM_002061.2
UniProt Accession #	P48507; Q6FHC1; Q9NPX9; Q9NU74; A8K334; D3DT45; M5A959
Molecular Weight	28,135 Da
NCBI Official Full Name	glutamate--cysteine ligase regulatory subunit
NCBI Official Synonym Full Names	glutamate-cysteine ligase, modifier subunit
NCBI Official Symbol	GCLM
NCBI Official Synonym Symbols	GLCLR
NCBI Protein Information	glutamate--cysteine ligase regulatory subunit; GCS light chain; GSC light chain; gamma-ECS regulatory subunit; gamma-glutamylcysteine synthetase regulatory subunit; glutamate--cysteine ligase modifier subunit; glutamate-cysteine ligase (gamma-glutamylcysteine synthetase), regulatory (30.8kD); glutamate-cysteine ligase modifier subunit delta2 alternative splicing; glutamate-cysteine ligase regulatory protein
UniProt Protein Name	Glutamate--cysteine ligase regulatory subunit
UniProt Gene Name	GCLM
UniProt Synonym Gene Names	GLCLR
UniProt Entry Name	GSH0_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.