

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

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CATALOG #
AAA138650

REACTIVITY
Rat

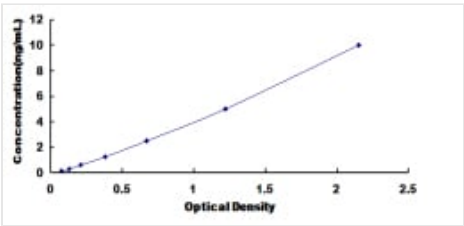
PRODUCT SYNONYMS

Glutamate Cysteine Ligase; Modifier Subunit (GCLM); Rat Glutamate Cysteine Ligase; Modifier Subunit (GCLM) ELISA Kit; GLCLR; GECS; GCL; Gamma Glutamylcysteine Synthetase; Glutamate Cysteine Ligase Regulatory; Gamma-ECS regulatory subunit; Glutamate cysteine ligase modifier subunit; GCLM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Glutamate Cysteine Ligase, Modifier Subunit (GCLM). No significant cross-reactivity or interference between Glutamate Cysteine Ligase, Modifier Subunit (GCLM) and analogues was observed.
Sequence Length	252
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates And Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Glutamate Cysteine Ligase, Modifier Subunit (GCLM) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Glutamate Cysteine Ligase, Modifier Subunit (GCLM) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCLM elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Glutamate Cysteine Ligase, Modifier Subunit (GCLM). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Glutamate Cysteine Ligase, Modifier Subunit (GCLM). 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 Glutamate Cysteine Ligase, Modifier Subunit (GCLM), 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 ± 10nm. The concentration of Glutamate Cysteine Ligase, Modifier Subunit (GCLM) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GCLM elisa kit	Enzyme & Kinase; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	27469699
NCBI GeneID	2730
UniProt Accession #	P48507; Q6FHC1; Q9NPX9; Q9NU74; A8K334; D3DT45; M5A959
Molecular Weight	28,135 Da
NCBI Official Full Name	Glutamate-cysteine ligase, modifier 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
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.