

Human GCLM ELISA Kit | GCLM elisa kit

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

CATALOG #
AAA164810

REACTIVITY
Human

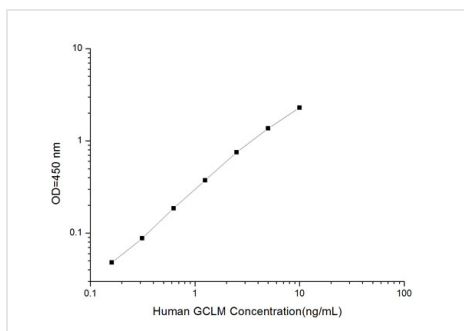
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant Human GCLM. No significant cross-reactivity or interference between Human GCLM and analogues was observed.
Sequence Length	274
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	Min: 0.094ng/mL; Max: 10ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCLM elisa kit	Intended Uses: This ELISA kit applies to the invitro quantitative determination of HumanGCLMconcentrations in 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 GCLM. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for GCLMand 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 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 GCLM.You can calculate the concentration of GCLMin 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.