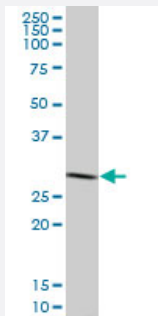


GCLM monoclonal antibody (M03), clone 3A10

Catalog # H00002730-M03

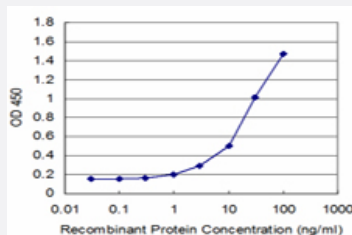
Size 100 ug

Applications



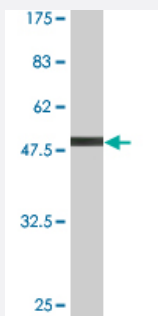
Western Blot (Cell lysate)

GCLM monoclonal antibody (M03), clone 3A10. Western Blot analysis of GCLM expression in HeLa (Cat # L013V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GCLM is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (55.88 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant GCLM.

Immunogen	GCLM (AAH41809, 1 a.a. ~ 274 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGTD SRAAKALLARARTLHLQTGNLLNWGRLRKKCPSTHSEELHDCIQKTLNEWSSQINPDLVRE FPDVLECTVSHAVEKINPDEREEMKVS AKLFIVESNSSSSSTRSAVDMACSVLGVAQLDSVVIASPP IEDGVNLSLEHLQPYWEELENLVQSKKIVAIGTSDLDKTQLEQLYQWAQVKPNSNQVNLASCCVM PPDLTAFQAKQFDIQLLTHNDPKELLSGASFQEALQESIPDIQAHEWVPLWLLRYSVIVKSRGIKSK GYLQAKRRGS
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (55.88 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

GCLM monoclonal antibody (M03), clone 3A10. Western Blot analysis of GCLM expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GCLM is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — GCLM

Entrez GeneID [2730](#)

GeneBank Accession#	BC041809
Protein Accession#	AAH41809
Gene Name	GCLM
Gene Alias	GLCLR
Gene Description	glutamate-cysteine ligase, modifier subunit
Omim ID	601176
Gene Ontology	Hyperlink
Gene Summary	Glutamate-cysteine ligase, also known as gamma-glutamylcysteine synthetase, is the first rate limiting enzyme of glutathione synthesis. The enzyme consists of two subunits, a heavy catalytic subunit and a light regulatory subunit. Gamma glutamylcysteine synthetase deficiency has been implicated in some forms of hemolytic anemia. [provided by RefSeq]
Other Designations	GSC light chain OTTHUMP00000012299 gamma-glutamylcysteine synthetase glutamate-cysteine ligase (gamma-glutamylcysteine synthetase), regulatory (30.8kD) glutamate-cysteine ligase regulatory protein

Pathway

- [Glutathione metabolism](#)
- [Metabolic pathways](#)

Disease

- [Amphetamine-Related Disorders](#)
- [Arsenic Poisoning](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Berylliosis](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)

- [Cerebral Infarction](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Kidney Failure](#)
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