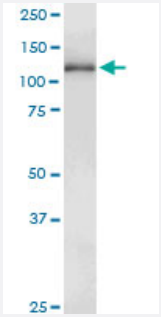
GUCY2D monoclonal antibody (M01), clone 4E12

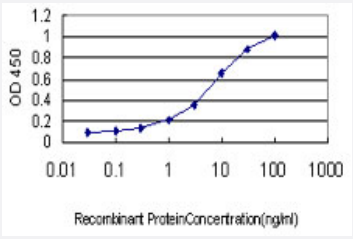
Catalog # H00003000-M01 Size 100 ug

Applications



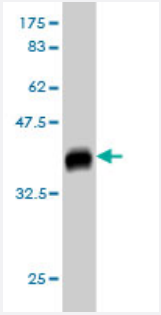
Western Blot (Tissue lysate)

GUCY2D monoclonal antibody (M01), clone 4E12. Western Blot analysis of GUCY2D expression in human spleen.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GUCY2D is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant GUCY2D.

Immunogen	GUCY2D (NP_000171, 521 a.a. ~ 630 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RKVAQGSRSSLGARSMSDIRSGPSQHLDSPNIGVYEGDRVWLKKFPGDQHIAIRPATKTAFSKLQELRHENVALYLGLFLARGAEGPAALWEGNLAVVSEHCTRGSLQDL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (76); Rat (77)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 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 (Tissue lysate)

  GUCY2D monoclonal antibody (M01), clone 4E12. Western Blot analysis of GUCY2D expression in human spleen.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged GUCY2D is approximately 0.1ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — GUCY2D

Entrez GeneID	3000

GeneBank Accession#	NM_000180
Protein Accession#	NP_000171
Gene Name	GUCY2D
Gene Alias	CORD5, CORD6, CYGD, GUC1A4, GUC2D, LCA, LCA1, RETGC-1, ROS-GC1, retGC
Gene Description	guanylate cyclase 2D, membrane (retina-specific)
Omim ID	204000 600179 600977 601777
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a retina-specific guanylate cyclase, which is a member of the membrane guanylyl cyclase family. Like other membrane guanylyl cyclases, this enzyme has a hydrophobic amino-terminal signal sequence followed by a large extracellular domain, a single membrane spanning domain, a kinase homology domain, and a guanylyl cyclase catalytic domain. In contrast to other membrane guanylyl cyclases, this enzyme is not activated by natriuretic peptides. Mutations in this gene result in Leber congenital amaurosis and cone-rod dystrophy-6 diseases. [provided by RefSeq
Other Designations	-

Pathway

- Olfactory transduction
- Purine metabolism

Disease

- Adenocarcinoma
- Blindness
- Esophageal Neoplasms
- Optic Atrophy
- Retinal Degeneration
- Retinal Diseases