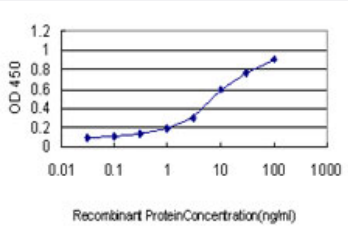
GUCY2D monoclonal antibody (M08), clone 1F12

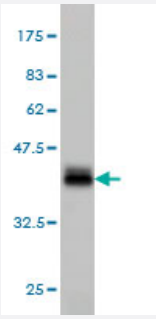
Catalog # H00003000-M08 Size 100 ug

Applications



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	IgG
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 (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