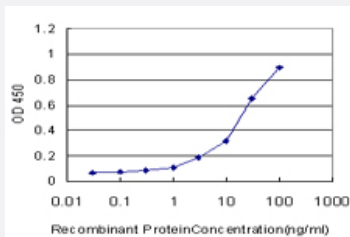


GUCY1A3 monoclonal antibody (M01), clone 2H1

Catalog # H00002982-M01

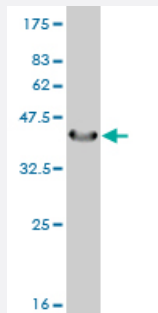
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GUCY1A3 is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant GUCY1A3.

Immunogen

GUCY1A3 (AAH28384, 41 a.a. ~ 140 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

KATMPICQDIPEKNIQESLPQRKTSRSRVYLHTLAESICKLIFPEFERLNVALQRTLAKHKIKESRKSL
EREDFEKTIAEQAVAAGVPVEVIKESLGEEV

Host

Mouse

Reactivity

Human

Isotype

IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.74 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 GUCY1A3 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — GUCY1A3

Entrez GeneID

[2982](#)

GeneBank Accession#

[BC028384](#)

Protein Accession#

[AAH28384](#)

Gene Name

GUCY1A3

Gene Alias

GC-SA3, GUC1A3, GUCA3, GUCSA3, GUCY1A1

Gene Description

guanylate cyclase 1, soluble, alpha 3

Omim ID

[139396](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Soluble guanylate cyclase (sGC), a heterodimeric protein consisting of an alpha subunit, such as alpha-1 (GUCY1A3), and a beta subunit, typically beta-1 (GUCY1B3; MIM 139397), catalyzes conversion of GTP to the second messenger cGMP and functions as the main receptor for nitric oxide and nitrovasodilator drugs (Zabel et al., 1998 [PubMed 9742212]).[supplied by OMIM]

Other Designations

GC-S-alpha-1|soluble guanylate cyclase large subunit

Pathway

- [Gap junction](#)
- [Long-term depression](#)
- [Purine metabolism](#)
- [Vascular smooth muscle contraction](#)