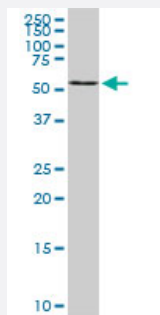


B4GALNT1 monoclonal antibody (M02), clone 5F9

Catalog # H00002583-M02

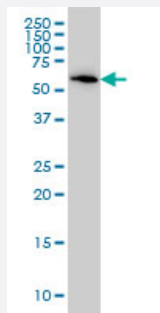
Size 100 ug

Applications



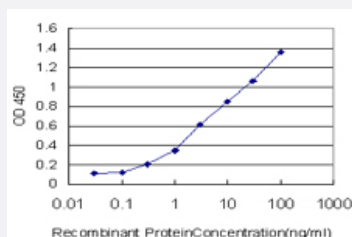
Western Blot (Cell lysate)

B4GALNT1 monoclonal antibody (M02), clone 5F9. Western Blot analysis of B4GALNT1 expression in PC-12 (Cat # L012V1).



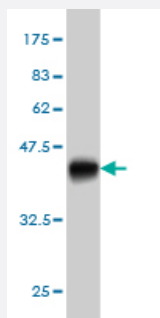
Western Blot (Cell lysate)

B4GALNT1 monoclonal antibody (M02), clone 5F9 Western Blot analysis of B4GALNT1 expression in HeLa (Cat # L013V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged B4GALNT1 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant B4GALNT1.
Immunogen	B4GALNT1 (NP_001469, 30 a.a. ~ 127 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	APGLRLPLAPWAPPQSPRRPELPDLAEPYAHIPVRIKEQVVGLLAWNNCSCSSGGGLPLPF QKQVRAIDLTKAFDPAELRAASATREQEFQAFLS
Host	Mouse
Reactivity	Human, Rat
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 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)

B4GALNT1 monoclonal antibody (M02), clone 5F9. Western Blot analysis of B4GALNT1 expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

B4GALNT1 monoclonal antibody (M02), clone 5F9 Western Blot analysis of B4GALNT1 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged B4GALNT1 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — B4GALNT1

Entrez GeneID [2583](#)

GeneBank Accession# [NM_001478](#)

Protein Accession# [NP_001469](#)

Gene Name B4GALNT1

Gene Alias GALGT, GALNACT

Gene Description beta-1,4-N-acetyl-galactosaminyl transferase 1

Omim ID [601873](#)

Gene Ontology [Hyperlink](#)

Gene Summary GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-T catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively. [provided by RefSeq]

Other Designations GD2 synthase, GM2 synthase[GalNAc-T|UDP-Gal:betaGlcNAc beta-1,4-N-acetylgalactosaminyltransferase transferase 1|UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuramyl)-galactosylglucosylceramide N-acetylgalactosaminyltransferase (GalNAc-T)]beta1,4GalNAc-T

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)
- [Metabolic pathways](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)