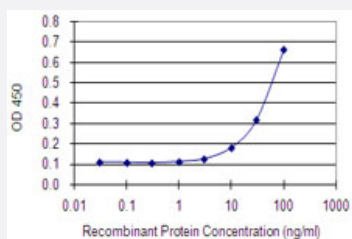


ST3GAL5 monoclonal antibody (M04), clone 8B4

Catalog # H00008869-M04

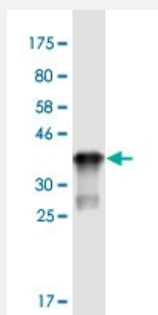
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ST3GAL5 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.31 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ST3GAL5.

Immunogen

ST3GAL5 (NP_003887, 31 a.a. ~ 117 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

YTTEECDMKKMHVDPDHVKRAQKYAQQVLQKECRPKFAKTSMAALLFEHRYSDLLPFVQKAP
KDSEAESKYDPPFGFRKFSSKVQT

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (86); Rat (83)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.31 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 ST3GAL5 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ST3GAL5

Entrez GeneID	8869
GeneBank Accession#	NM_003896
Protein Accession#	NP_003887
Gene Name	ST3GAL5
Gene Alias	SIAT9, SIATGM3S, ST3GalV
Gene Description	ST3 beta-galactoside alpha-2,3-sialyltransferase 5
Omim ID	604402 609056
Gene Ontology	Hyperlink

Gene Summary

Ganglioside GM3 is known to participate in the induction of cell differentiation, modulation of cell proliferation, maintenance of fibroblast morphology, signal transduction, and integrin-mediated cell adhesion. The protein encoded by this gene is a type II membrane protein which catalyzes the formation of GM3 using lactosylceramide as the substrate. The encoded protein is a member of glycosyltransferase family 29 and may be localized to the Golgi apparatus. Mutation in this gene has been associated with Amish infantile epilepsy syndrome. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

CMP-NeuAc:lactosylceramide alpha-2,3-sialyltransferase|GM3 synthase|OTTHUMP0000016067.3|alpha 2,3-sialyltransferase V|lactosylceramide alpha-2,3-sialyltransferase|sialyltransferase 9 (CMP-NeuAc:lactosylceramide alpha-2,3-sialyltransferase; GM3 synthase)

Pathway

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

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Ovarian Neoplasms](#)