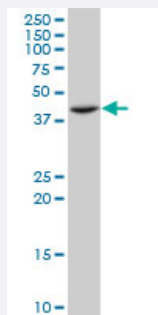


ST3GAL4 monoclonal antibody (M01), clone 1F4

Catalog # H00006484-M01

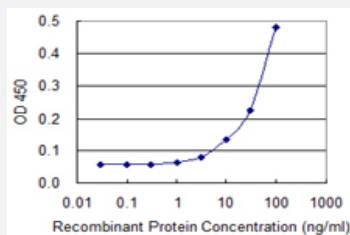
Size 100 ug

Applications



Western Blot (Cell lysate)

ST3GAL4 monoclonal antibody (M01), clone 1F4. Western Blot analysis of ST3GAL4 expression in MCF-7 (Cat # L046V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ST3GAL4 is 3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ST3GAL4.
Immunogen	ST3GAL4 (NP_006269, 31 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	FYFPIPEKKKEPCLQGEAESKASKLFGNYSRDQPIFLRLDYFWVKTPSAYELPYGTKGSEDLLLRV LAITSSSIPKNIQSLRCRRCVVVGNGHRLRNSSL
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (84); Rat (84)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
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)

ST3GAL4 monoclonal antibody (M01), clone 1F4. Western Blot analysis of ST3GAL4 expression in MCF-7 (Cat # L046V1).

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ST3GAL4 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ST3GAL4

Entrez GeneID	6484
GeneBank Accession#	NM_006278
Protein Accession#	NP_006269
Gene Name	ST3GAL4
Gene Alias	CGS23, FLJ11867, FLJ46764, NANTA3, SAT3, SIAT4, SIAT4C, ST3GalIV, STZ
Gene Description	ST3 beta-galactoside alpha-2,3-sialyltransferase 4
Omim ID	104240
Gene Ontology	Hyperlink

Gene Summary

Synthesis of alpha-2,3-linked sialic acid to Gal(beta-1,3)GalNAc is mediated by at least 3 distinct beta-galactoside alpha-2,3-sialyltransferases (EC 2.4.99.4), including ST3GAL4. In contrast, only a single gene encodes the beta-galactoside alpha-2,6-sialyltransferase (EC 2.4.99.1), ST6GAL1 (MIM 109675) (Chang et al., 1995 [PubMed 7655169]).[supplied by OMIM]

Other Designations

alpha-3-N-acetylneuraminyltransferase|sialyltransferase 4C (beta-galactosidase alpha-2,3-sialyltransferase)|sialyltransferase 4C (beta-galactoside alpha-2,3-sialyltransferase)

Pathway

- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)
- [Keratan sulfate biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Tobacco Use Disorder](#)