

**ST6GAL1 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant ST6GAL1.****Catalog # AT4052a****Specification**

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**ST6GAL1 Antibody (monoclonal) (M01) - Product Information**

Application	WB, IP
Primary Accession	<a href="#">P15907</a>
Other Accession	<a href="#">NM_173216</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	46605

**ST6GAL1 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 6480**Other Names**

Beta-galactoside alpha-2, 6-sialyltransferase 1, Alpha 2, 6-ST 1, B-cell antigen CD75, CMP-N-acetylneuraminate-beta-galactosamide-alpha-2, 6-sialyltransferase 1, ST6Gal I, ST6Gall, Sialyltransferase 1, ST6GAL1, SIAT1

**Target/Specificity**

ST6GAL1 (NP\_775323, 96 a.a. ~ 195 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

IP~~N/A

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

ST6GAL1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

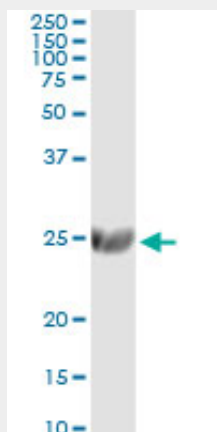
**ST6GAL1 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

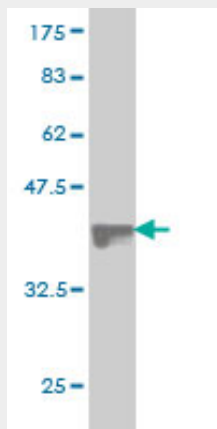
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ST6GAL1 Antibody (monoclonal) (M01) - Images



Immunoprecipitation of ST6GAL1 transfected lysate using anti-ST6GAL1 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with ST6GAL1 MaxPab rabbit polyclonal antibody.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .

### ST6GAL1 Antibody (monoclonal) (M01) - Background

This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76. This gene has been incorrectly referred to as CD75. Three transcript variants encoding two different isoforms have been described.

### ST6GAL1 Antibody (monoclonal) (M01) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Adhesion of ST6Gal I-mediated human colon cancer cells to fibronectin contributes to cell survival by integrin beta1-mediated paxillin and AKT activation. Lee M, et al. Oncol Rep, 2010 Mar. PMID 20127017. Synthesis and expression of CDw75 antigen in human colorectal cancer. Costa-Nogueira C, et al. BMC Cancer, 2009 Dec 10. PMID 20003255. Elevated mRNA level of hST6Gal I and hST3Gal V positively correlates with the high risk of pediatric acute leukemia. Mondal S, et al. Leuk Res, 2010 Apr. PMID 19709745. HLA-B\*5701 genotype is a major determinant of drug-induced liver injury due to flucloxacillin. Daly AK, et al. Nat Genet, 2009 Jul. PMID 19483685.