

# ST6GAL1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ST6GAL1.

Catalog # AT4052a

## Product Information

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<b>Application</b>	WB, IP
<b>Primary Accession</b>	<a href="#">P15907</a>
<b>Other Accession</b>	<a href="#">NM_173216</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	2.0E+12
<b>Calculated MW</b>	46605

## Additional Information

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<b>Gene ID</b>	6480
<b>Other Names</b>	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, ST6GalII, Sialyltransferase 1, ST6GAL1, SIAT1
<b>Target/Specificity</b>	ST6GAL1 (NP_775323, 96 a.a. ~ 195 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IP~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	ST6GAL1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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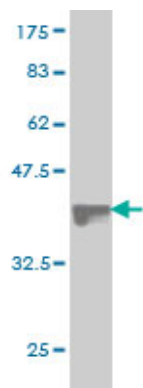
This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to 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.

## References

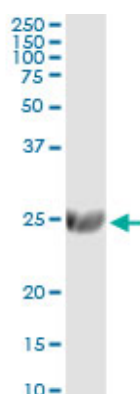
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Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Adhesion of ST6Gal I-mediated human colon cancer cells to fibronectin contributes 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.

## Images



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.