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ST6GAL1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ST6GAL1.
Catalog # AT4052a

Product Information

Application	WB, IP
Primary Accession	P15907
Other Accession	NM_173216
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2.0E+12
Calculated MW	46605

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, ST6GalI, 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.

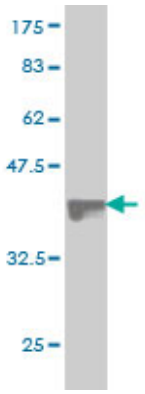
Background

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.

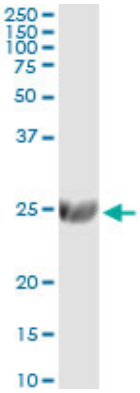
References

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.

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'.