ST6GAL1 Monoclonal Antibody

Catalog No	BYmab-14100
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	ST6GAL1 SIAT1
Protein Name	ST6GAL1
Immunogen	Synthetic peptide from human protein at AA range: 63-135
Specificity	The antibody detects endogenous ST6GAL1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Beta-galactoside alpha-2,6-sialyltransferase 1 (Alpha 2,6-ST 1;EC 2.4.99.1;B-cell antigen CD75;CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 1;ST6Gal I;ST6GalI;Sialyltransferase 1)
Observed Band	
Cell Pathway	Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein . Secreted. Membrane-bound form in trans cisternae of Golgi. Secreted into the body fluid.
Tissue Specificity	Liver,Lymph,Placenta,Skin,Spleen,Thymus,
Function	catalytic activity:CMP-N-acetylneuraminate + beta-D-galactosyl-1,4-N-acetyl-beta-D-glucosamine = CMP + alpha-N-acetylneuraminyl-2,6-beta-D-galactosyl-1,4-N-acetyl-beta-D-glucosamine.,function:Transfers sialic acid from the donor of substrate CMP-sialic acid to galactose containing acceptor substrates.,online information:GlycoGene database,online information:ST6Gal I,pathway:Protein modification; protein glycosylation.,PTM:The HB-6, CDW75, and CD76 differentiation antigens are

	cell-surface carbohydrate determinants generated by this enzyme.,PTM:The soluble form derives from the membrane form by proteolytic processing.,similarity:Belongs to the glycosyltransferase 29 family.,subcellular location:Membrane-bound form in trans cisternae of Golgi. Secreted into the body fluid.,
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. [provided by RefSeq, Aug 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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