



ST6GAL1 Monoclonal Antibody

Catalog No	YP-mAb-14100
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ST6GAL1 SIAT1
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
Calculated Molecular Weight	47kD
Synonyms	Alpha 2;6-ST 1;B-cell antigen CD75;Beta-galactoside alpha-2;6-sialyltransferase 1;CD75;CMP-N-;ST6GAL1;ST6GAL1 SIAT1;6-sialyltransferase 1 (Alpha 2;EC 2.4.99.1;CMP-N-acetylneuraminate-beta-galactosamide-alpha-2;ST6Gal I; ST6Gall;Sialyltransferase 1)
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-acetylneuraminy-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.

Products Images