



CD75 Monoclonal Antibody

Catalog No	YP-mAb-13911
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ST6GAL1
Immunogen	The antiserum was produced against synthesized peptide derived from human ST6GAL1. AA range:171-220
Specificity	CD75 Monoclonal Antibody detects endogenous levels of CD75 protein.
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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Alpha 2;6-ST 1;B-cell antigen CD75;Beta-galactoside alpha-2;6-sialyltransferase 1;CD75;CMP-N-;ST6GAL1;SIAT1;CMP-N-acetylneuraminate-beta-galactosamide-alpha-2;ST6Gal I;ST6Gall;Sialyltransferase 1
Observed Band	42kD
Calculated Molecular Weight	42kD
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-glucosamin e.,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],

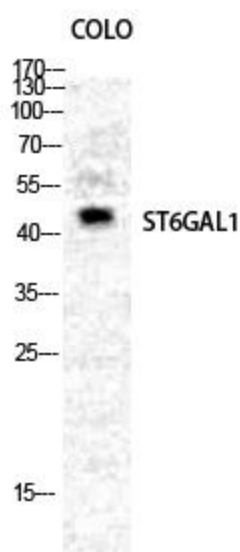
matters needing attention

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



Western Blot analysis of various cells using CD75
Monoclonal Antibody