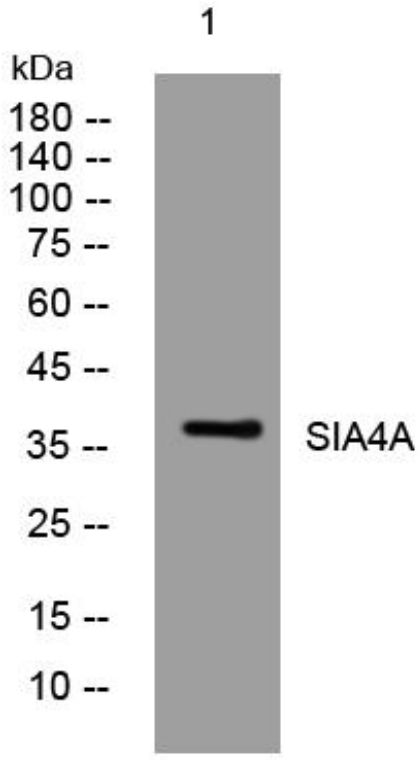
SIA4A mouse mAb

Catalog No	YP-mAb-11853
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	ST3GAL1 SIAT4 SIAT4A
Protein Name	SIA4A
Immunogen	Synthesized peptide derived from human SIA4A AA range: 189-239
Specificity	This antibody detects endogenous levels of SIA4A at Human/Mouse
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	
Observed Band	
Cell Pathway	Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein . Golgi apparatus, trans-Golgi network membrane ; Single-pass type II membrane protein . Secreted. Membrane-bound form in medial and trans cisternae of Golgi (PubMed:9182658). Secreted into the body fluid. .
Tissue Specificity	Expressed in several tissues. Highest expression in lung, liver, skeletal muscle, kidney, pancreas, spleen and placenta.
Function	catalytic activity:CMP-N-acetylneuraminate + beta-D-galactosyl-1,3-N-acetyl-alpha-D-galactosaminyl-R = CMP + alpha-N-acetylneuraminyl-2,3-beta-D-galactosyl-1,3-N-acetyl-alpha-D-galactosaminyl-R.,function:It may be responsible for the synthesis of the sequence NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc- found on sugar chains O-linked to Thr or Ser and also as a terminal sequence on certain gangliosides. SIAT4A and SIAT4B sialylate the same acceptor substrates but exhibit different Km values.,online information:GlycoGene database,online information:ST3Gal I,pathway:Protein modification; protein glycosylation.,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.,tissue specificity:Expressed in several tissues. Highest

Background	The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein is normally found in the Golgi but can be proteolytically processed to a soluble form. Correct glycosylation of the encoded protein may be critical to its sialyltransferase activity. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase 4B. Two transcript variants encoding the same protein have been found for this gene. Other transcript variants may exist, but have not been fully characterized yet. [provided by RefSeq, Jul 2008],
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 SIA4A mouse mAb