



ST3GAL4 Mouse mAb

Catalog No	YP-mAb-19321
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ST3GAL4 CGS23 NANTA3 SIAT4C STZ
Immunogen	Synthesized peptide derived from human ST3GAL4
Specificity	This antibody detects endogenous levels of ST3GAL4 at Human, Mouse,Rat
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 rabbit 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	KIAA997;ZBTB1;ZBTB1 KIAA0997;Zinc finger and BTB domain-containing protein 1;ST3GAL4 CGS23 NANTA3 SIAT4C STZ;CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 4 (Alpha 2;3-ST 4) (Beta-galactoside alpha-2,3-sialyltransferase 4) (Alpha 2;3-sialyltransferase IV) (GalNAc6S) (Gal-beta-1;4-GalNAc-alpha-2;3-sialyltransferase) (SAT-3) (ST-4) (ST3Gal IV) (ST3GalIV) (ST3GalA.2) (STZ) (Sialyltransferase 4C) (SIAT4-C)
Observed Band	82 kDa
Calculated Molecular Weight	78kD
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	Highly expressed in adult placenta, heart and kidney.
Function	A beta-galactoside alpha2-3 sialyltransferase involved in terminal sialylation of glycoproteins and glycolipids . Catalyzes the transfer of sialic acid (N-acetylneuraminic acid; Neu5Ac) from the nucleotide sugar donor CMP-Neu5Ac onto acceptor Galbeta-(1->3)-GalNAc- and Galbeta-(1->4)-GlcNAc-terminated glycoconjugates through an alpha2-3 linkage . Plays a major role in hemostasis. Responsible for sialylation of plasma VWF/von Willebrand factor, preventing its



recognition by asialoglycoprotein receptors (ASGPR) and subsequent clearance. Regulates ASGPR-mediated clearance of platelets (By similarity). Participates in the biosynthesis of the sialyl Lewis X epitopes, both on O- and N-glycans, which are recognized by SELE/E-selectin, SELP/P-selectin and SELL/L-selectin. Essential for selectin-mediated rolling and adhesion of leukocytes during extravasation . Contributes to adhesion and transendothelial migration of neutrophils likely through terminal sialylation of CXCR2 (By similarity). In glycosphingolipid biosynthesis, sialylates GM1 and GA1 gangliosides to form GD1a and GM1b, respectively . Metabolizes brain c-series ganglioside GT1c forming GQ1c (By similarity). Synthesizes ganglioside LM1 (IV3Neu5Ac-nLc4Cer), a major structural component of peripheral nerve myelin .

Background

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