

ST3 Beta-Gal Alpha-2, 3-Sialyltransferase 1 (ST3GAL1)

Product Information

Cat#	DIA-860
Descriptions	ST3 Beta-Gal Alpha-2, 3-Sialyltransferase 1 (ST3GAL1) transfers sialic acid from CMP-sialic acid to terminal galactose residues via α -2,3 linkage, preferentially acts on O-linked glycan acceptors, and participates in the synthesis of sialyl T antigen and cell surface sialylation modification.
Applications	ST3 Beta-Gal Alpha-2, 3-Sialyltransferase 1 (ST3GAL1) is suitable for O-glycan sialylation detection kits and sialyl T antigen synthesis assay reagent development.
CAS No.	24-3-41301
Enzyme Commission Number	EC 2.4.3.4
Reaction	a beta-D-galactosyl- (1->3)-N-acetyl-alpha-D-galactosaminyl derivative + CMP-N-acetyl-beta-neuraminate = an N-acetyl-alpha-neuraminyl- (2->3)-beta-D-galactosyl- (1->3)-N-acetyl-alpha-D-galactosaminyl derivative + CMP + H ⁺
Activity Definition	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to bovine B1-3 galactosyl-N-acetyl galactosamine.