

ST6 Sialyltransferase 1 (ST6GALNAC1)

Product Information

Cat#	DIA-868
Descriptions	ST6 Sialyltransferase 1 (ST6GALNAC1) specifically transfers sialic acid via α -2,6 linkage to N-acetylgalactosamine residues of O-linked glycans, synthesizes sialyl Tn antigen, and is closely associated with tumor malignancy and metastatic potential.
Applications	ST6 Sialyltransferase 1 (ST6GALNAC1) is suitable for sialyl Tn antigen detection kits and tumor malignancy assay reagent development.
CAS No.	24-3-31309
Enzyme Commission Number	EC 2.4.3.3
Enzyme Source	Human embryonic kidney cell, HEK293-derived human ST6 Sialyltransferase 1/ST6GALNAC1 protein.
Reaction	a beta-D-galactosyl- (1->3)-N-acetyl-alpha-D-galactosaminyl derivative + CMP-N-acetyl-beta-neuraminate = a beta-D-galactosyl- (1->3)-[N-acetyl-alpha-neuraminyl- (2->6)]-N-acetyl-alpha-D-galactosaminyl derivative + CMP + H ⁺
Activity Definition	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to fetuin of fetal calf serum.