

ST3 Beta-Gal Alpha-2, 3-Sialyltransferase 4 (ST3GAL4)

Product Information

Cat#	DIA-863
Descriptions	ST3 Beta-Gal Alpha-2, 3-Sialyltransferase 4 (ST3GAL4) is responsible for α -2,3 sialylation of serum glycoproteins and selectin ligands, participates in inflammatory cell recruitment, and is closely associated with tumor metastasis and liver glycosylation regulation.
Applications	ST3 Beta-Gal Alpha-2, 3-Sialyltransferase 4 (ST3GAL4) is applied in selectin ligand detection kits and inflammatory cell recruitment assay reagent development.
CAS No.	24-3-21304
Enzyme Commission Number	EC 2.4.3.2
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human ST3GAL4 protein.
Reaction	a beta-D-galactosyl- (1->3)-N-acetyl-beta-D-galactosaminyl derivative + CMP-N-acetyl-beta-neuraminate = an N-acetyl-alpha-neuraminyl- (2->3)-beta-D-galactosyl- (1->3)-N-acetyl-beta-D-galactosaminyl derivative + CMP + H ⁺
Activity Definition	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to alpha -lactose.