

ST3 Beta-Gal Alpha-2, 3-Sialyltransferase 6 (ST3GAL6)

Product Information

Cat#	DIA-865
Descriptions	ST3 Beta-Gal Alpha-2, 3-Sialyltransferase 6 (ST3GAL6) mainly sialylates lactosamine chains on proteoglycans and glycoproteins, mediates α -2,3 sialic acid modification of extracellular matrix components, and participates in tumor microenvironment regulation.
Applications	ST3 Beta-Gal Alpha-2, 3-Sialyltransferase 6 (ST3GAL6) is used for extracellular matrix sialylation detection kits and tumor microenvironment assay reagent development.
CAS No.	24-9-91306
Enzyme Commission Number	EC 2.4.99.
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human ST3GAL6 protein.
Reaction	Involved in the synthesis of sialyl-paragloboside, a precursor of sialyl-Lewis X determinant. Has a alpha-2, 3-sialyltransferase activity toward Gal-beta1, 4-GlcNAc structure on glycoproteins and glycolipids. Has a restricted substrate specificity, it utilizes Gal-beta1, 4-GlcNAc on glycoproteins, and neolactotetraosylceramide and neolactoheptaosylceramide, but not lactotetraosylceramide, lactosylceramide or asialo-GM1.
Activity Definition	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to N-Acetyllactosamine.