

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ST3 β -Gal α -2,3-Sialyltransferase 1/ST3GAL1 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human ST3GAL2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	human ST3 β -Gal α -2,3-Sialyltransferase 1/ST3GAL1 Accession # Q11201
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ST3 β -Gal α -2,3-Sialyltransferase 1 (ST3GAL1, also known as SIAT4 and SIAT4A) is a 45 kDa member of glycosyltransferase family 29 that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The full length ST3GAL1 is a type II Golgi membrane glycoprotein that can be proteolytically processed to a soluble form. ST3GAL1 contributes to the α 2-3-sialylation of O-glycans such as T antigens. Upon maturation of Dendritic cells derived from monocytes ST3GAL1 is altered in a stimulus-dependent manner. Multiple isoforms of human ST3GAL1 have been described. Human ST3GAL1 shares 85% identity with mouse ST3GAL1.

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