

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GM2/GD2 Synthase/ B4GALNT1 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 1024912
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human GM2/GD2 Synthase/ B4GALNT1 Ser26-Gln533 Accession # Q00973
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

Immunohistochemistry 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

B4GALNT1, also known as GM2/GD2 Synthase, is an enzyme involved in the biosynthesis of brain-enriched complex gangliosides GM2, GD2, GT2 and GA2 from GM3, GD3, GT3 and GA3. This is a critical step in the synthesis of all complex gangliosides enriched in the nervous system of vertebrates.

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