

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human β -1,4-Glucuronyltransferase 1/B4GAT1 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) B3GNT2, rhB3GNT6, or rhB4GalT1 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 724057
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human β -1,4-Glucuronyltransferase 1/B4GAT1 Antibody Asp43-Cys415 Accession # O43505
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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

B3GNT1 (β -1,3-N-acetylglucosaminyltransferase 1; also iGnT) is a 50 kD member of the b3GnT family of enzymes. It is synthesized by sensory neurons, endothelial cells and skeletal muscle. In the trans-Golgi, it collaborates with B4GALT1 to generate a linear poly-N-acetyllactosamine sequence that can be incorporated into either N-linked or O-linked glycans. Human B3GNT1 is a 451 amino acid (aa) type II transmembrane protein. It contains an eight aa N-terminal cytoplasmic segment, an extended 28 aa transmembrane region (aa 9-36), and a 379 aa luminal domain (aa 37-415). Over aa 37-415, human B3GNT1 shares 97% aa identity with mouse B3GNT1.

PRODUCT SPECIFIC NOTICES

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