

B4GALNT1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4705
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human B4GALNT1 (AA: 26-225) expressed in E. Coli.
Mol wt	58.9kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	GALGT;SPG26;GALNACT;GalNAc-T

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

G(M2) and G(D2) gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-T catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively. Three transcript variants encoding different isoforms have been found for this gene.

Recommended Dilution

WB: 1:500 - 1:2000

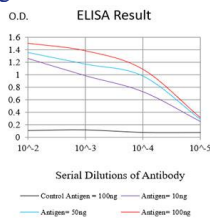
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

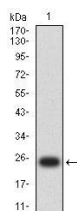
ELISA: 1:10000

Not yet tested in other applications.

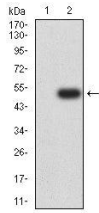
Images



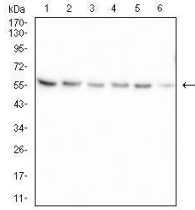
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



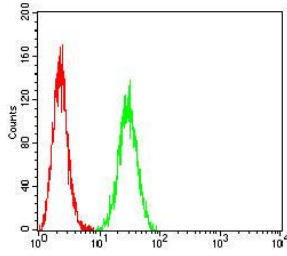
Western blot analysis using B4GALNT1 mAb against human B4GALNT1 (AA: 26-225) recombinant protein. (Expected MW is 24.4 kDa)



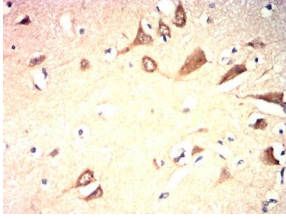
Western blot analysis using B4GALNT1 mAb against HEK293-6e (1) and human B4GALNT1 (AA: 26-225)-hlgGfC transfected HEK293-6e (2) cell lysate.



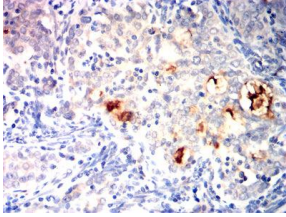
Western blot analysis using B4GALNT1 mouse mAb against HeLa (1), Jurkat (2), HepG2 (3), k562 (4), COS-7 (5), and NIH/3T3 (6) cell lysate.



Flow cytometric analysis of HeLa cells using B4GALNT1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded brain tissues using B4GALNT1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using B4GALNT1 mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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