

B4GALT5 monoclonal antibody (M01A), clone 4B9

Catalog # H00009334-M01A

Size 200 uL

Applications



Western Blot detection against Immunogen (37.18 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant B4GALT5.
Immunogen	B4GALT5 (NP_004767, 48 a.a. ~ 151 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AQGILIRDNVRTIGAQVYEQVLRSAAYAKRNSSVNDSDYPLDLNHSETFLQTTTFLPEDFTYFANHTC PERLPSMKGPIDINMSEIGMDYIHELFSKDPTIKLGG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.18 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — B4GALT5

Entrez GeneID	9334
GeneBank Accession#	NM_004776
Protein Accession#	NP_004767
Gene Name	B4GALT5
Gene Alias	B4Gal-T5, BETA4-GALT-IV, MGC138470, beta4Gal-T5, beta4GalT-V, gt-V
Gene Description	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5
Omim ID	604016
Gene Ontology	Hyperlink
Gene Summary	<p>This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) genes. They encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose; all transfer galactose in a beta1,4 linkage to similar acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GalT has a distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. The function of the enzyme encoded by this gene is not clear. This gene was previously designated as B4GALT4 but was renamed to B4GALT5. In the literature it is also referred to as beta4GalT2. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000031806 UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase 5 UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5 beta-1,4-GalT IV beta-1.4-galactosyltransferase V beta4-GalT IV

Pathway

- [O-Glycan biosynthesis](#)