



## β-1,4-Gal-T1 Monoclonal Antibody

Specificity       β -1,4-Gal-T1 Monoclonal Antibody detects endogenous levels of β -1,4-Gal-T1 protein.         Formulation       Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.         Source       Monoclonal, Mouse, IgG         Purification       The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       B4GALT1; GGTB2; Beta-1; 4-galactosyltransferase 1; Beta-1,4-GalTase 1; Beta4Gal-T1; b4Gal-T1; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1         Observed Band       50kD         Cell Pathway       [Isoform Long]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cell membrane protein. Cell membrane protein. Cell projection, filopodium. Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed:1714903), B4GALT1 cell surface expression is regulated by UBE2Q1 (By similarity).; [Isoform Short]; Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein.		
Reactivity         Human; Mouse           Applications         WB           Gene Name         B4GALT1           Protein Name         Beta-1,4-galactosyltransferase 1           Immunogen         Synthesized peptide derived from the C-terminal region of human β-1,4-Gal-T1.           Specificity         β-1,4-Gal-T1 Monoclonal Antibody detects endogenous levels of β-1,4-Gal-T1 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         B4GALT1; GGTB2; Beta-1; 4-galactosyltransferase 1; Beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1           Observed Band         50kD           Cell Pathway         [Isoform Long]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cell membrane protein. Cell membrane; Single-pass type II membrane protein. Cell projection, filopodium. Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed:1714903), B4GALT1 cell surface	Catalog No	BYmab-04291
Applications  Gene Name  B4GALT1  Protein Name  Beta-1,4-galactosyltransferase 1  Immunogen  Synthesized peptide derived from the C-terminal region of human β-1,4-Gal-T1.  Specificity  β-1,4-Gal-T1 Monoclonal Antibody detects endogenous levels of β-1,4-Gal-T1 protein.  Formulation  Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source  Monoclonal, Mouse, lgG  Purification  The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution  WB 1:500-2000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  B4GALT1; GGTB2; Beta-1; 4-galactosyltransferase 1; Beta-1,4-GalTase 1; Beta4Gal-T1; b4Gal-T1; DDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1  Observed Band  50kD  Cell Pathway  [Isoform Long]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cell membrane; Single-pass type II membrane protein. Cell membrane (PubMed:1714903), B4GALT1 cell surface. Cell projection, filopodium. Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed:1714903), B4GALT1 cell surface expression is regulated by UBE2Q1 (By similarity), Isoform Short]; Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cell membrane of Golgi. (); [Processed beta-1,4-galactosyltransferase 1] Secreted . Soluble form found in body fluids.  Tissue Specificity  Ubquitously expressed, but at very low levels in fetal and adult brain.  catalytic activity: UDP-galactose + D-glucose = UDP + lactose, catalytic activity: UDP-galactose + D-glucosaminylolycopeptide = UDP +	Isotype	IgG
Gene Name         B4GALT1           Protein Name         Beta-1,4-galactosyltransferase 1           Immunogen         Synthesized peptide derived from the C-terminal region of human β-1,4-Gal-T1.           Specificity         β-1,4-Gal-T1 Monoclonal Antibody detects endogenous levels of β-1,4-Gal-T1 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, lgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         B4GALT1; GGTB2; Beta-1; 4-galactosyltransferase 1; Beta-1,4-GalTase 1; Beta4Gal-T1; b4Gal-T1; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1           Observed Band         50kD           Cell Pathway         [Isoform Long]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein, Cell surface, Cell projection, filopodium: Found in trans cisternae of Golgi but is urface expression is regulated by UBE201 (By similarity). : [Isoform Short]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein, Found in trans cisternae of Golgi but is urface expression is regulated by UBE201 (By similarity). : [Isoform Short]: Golgi apparatus, Golgi st	Reactivity	Human;Mouse
Protein Name         Beta-1,4-galactosyltransferase 1           Immunogen         Synthesized peptide derived from the C-terminal region of human β-1,4-Gal-T1.           Specificity         β-1,4-Gal-T1 Monoclonal Antibody detects endogenous levels of β-1,4-Gal-T1 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         B4GALT1; GGTB2; Beta-1; 4-galactosyltransferase 1; Beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1; Under the plasma membrane (PubMed:1714903). B4GALT1 cell membrane protein. Cell membrane protein. Cell membrane protein. Cell surface. Cell projection, filopodium. Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed:1714903). B4GALT1 cell surface expression is regulated by UBE2Q1 (By similarity). : [Isoform Short]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Found in trans cisternae of Golgi] [Processed beta-1, 4-galactosyltransferase 1] Secreted . Soluble form found in body louids <th< th=""><th>Applications</th><th>WB</th></th<>	Applications	WB
Immunogen   Synthesized peptide derived from the C-terminal region of human β-1,4-Gal-T1.   Specificity	Gene Name	B4GALT1
Specificity         β -1,4-Gal-T1 Monoclonal Antibody detects endogenous levels of β -1,4-Gal-T1 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         B4GALT1; GGTB2; Beta-1; 4-galactosyltransferase 1; Beta-1,4-GalTase 1; Beta4Gal-T1; b4Gal-T1; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1           Observed Band         50kD           Cell Pathway         [Isoform Long]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cell surface. Cell projection, filopodium. Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed: 1714903). B4GALT1 cell surface expression is regulated by UBE2Q1 (By similarity).; [Isoform Short]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Found in trans cisternae of Golgi; [Processed beta-1, 4-galactosyltransferase 1] Secreted. Soluble form found in body fluids.           Tissue Specificity         Ubiquitously expressed, but at very low levels in fetal and adult brain.           Function         catalytic activity: UDP-galactose + N-acetyl-	Protein Name	Beta-1,4-galactosyltransferase 1
Pormulation   Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.	Immunogen	Synthesized peptide derived from the C-terminal region of human $\beta$ -1,4-Gal-T1.
Source         Monoclonal, Mouse,IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         B4GALT1; GGTB2; Beta-1; 4-galactosyltransferase 1; Beta-1,4-GalTase 1; Beta4Gal-T1; b4Gal-T1; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1 UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1           Observed Band         50kD           Cell Pathway         [Isoform Long]: Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein. Cell surface . Cell projection, filopodium . Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed:1714903). B4GALT1 cell surface expression is regulated by UBE2Q1 (By similarity). :; [Isoform Short]: Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein. Found in trans cisternae of Golgi. :; [Processed beta-1,4-galactosyltransferase 1] Secreted . Soluble form found in body fluids .           Tissue Specificity         Ubiquitously expressed, but at very low levels in fetal and adult brain.           Function         catalytic activity: UDP-galactose + N-acetyl-beta-D-glucose = UDP + lactose., catalytic activity: UDP-galactose + N-acetyl-beta-D-glucosaminylqlycopeptide = UDP +	Specificity	
Purification  The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution  WB 1:500-2000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  B4GALT1; GGTB2; Beta-1; 4-galactosyltransferase 1; Beta-1,4-GalTase 1; Beta4Gal-T1; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1 UDP-galactose:beta-N-acetylglucosamine protein = Single-pass type II membrane protein. Cell surface cell projection, filopodium . Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed:1714903). B4GALT1 cell surface expression is regulated by UBE2Q1 (By similarity). : [Isoform Short]: Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein. Found in trans cisternae of Golgi. : [Processod beta-1,4-galactosyltransferase 1] Secreted . Soluble form found in body fluids.  Tissue Specificity  Ubiquitously expressed, but at very low levels in fetal and adult brain.	Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms B4GALT1; GGTB2; Beta-1; 4-galactosyltransferase 1; Beta-1,4-GalTase 1; Beta4Gal-T1; b4Gal-T1; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1  Observed Band 50kD  Cell Pathway [Isoform Long]: Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein. Cell membrane ; Single-pass type II membrane protein. Cell surface. Cell projection, filopodium . Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed:1714903). B4GALT1 cell surface expression is regulated by UBE2Q1 (By similarity); [Isoform Short]: Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein. Found in trans cisternae of Golgi; [Processed beta-1,4-galactosyltransferase 1] Secreted . Soluble form found in body fluids.  Tissue Specificity Ubiquitously expressed, but at very low levels in fetal and adult brain.  Function catalytic activity: UDP-galactose + D-glucose = UDP + lactose, catalytic activity: UDP-galactose + N-acetyl-beta-D-glucosaminylqlycopeptide = UDP +	Source	Monoclonal, Mouse,IgG
Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       B4GALT1; GGTB2; Beta-1; 4-galactosyltransferase 1; Beta-1,4-GalTase 1; Beta4Gal-T1; b4Gal-T1; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1         Observed Band       50kD         Cell Pathway       [Isoform Long]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cell membrane; Single-pass type II membrane protein. Cell surface . Cell projection, filopodium . Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed:1714903). B4GALT1 cell surface expression is regulated by UBE2Q1 (By similarity); [Isoform Short]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Found in trans cisternae of Golgi; [Processed beta-1,4-galactosyltransferase 1] Secreted . Soluble form found in body fluids .         Tissue Specificity       Ubiquitously expressed, but at very low levels in fetal and adult brain.         Function       catalytic activity:UDP-galactose + D-glucose = UDP + lactose.,catalytic activity:UDP-galactose + N-acetyl-beta-D-glucosaminylqlycopeptide = UDP +	Purification	
Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       B4GALT1; GGTB2; Beta-1; 4-galactosyltransferase 1; Beta-1,4-GalTase 1; Beta4Gal-T1; b4Gal-T1; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1         Observed Band       50kD         Cell Pathway       [Isoform Long]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cell membrane; Single-pass type II membrane protein. Cell surface. Cell projection, filopodium. Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed:1714903). B4GALT1 cell surface expression is regulated by UBE2Q1 (By similarity). ; [Isoform Short]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Found in trans cisternae of Golgi; [Processed beta-1,4-galactosyltransferase 1] Secreted. Soluble form found in body fluids         Tissue Specificity       Ubiquitously expressed, but at very low levels in fetal and adult brain.         Function       catalytic activity:UDP-galactose + D-glucose = UDP + lactose.,catalytic activity:UDP-galactose + N-acetyl-beta-D-glucosaminylglycopeptide = UDP +	Dilution	WB 1:500-2000
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Beta4Gal-T1; b4Gal-T1; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1  Observed Band  Cell Pathway  [Isoform Long]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cell membrane; Single-pass type II membrane protein. Cell surface. Cell projection, filopodium. Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed:1714903). B4GALT1 cell surface expression is regulated by UBE2Q1 (By similarity); [Isoform Short]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Found in trans cisternae of Golgi; [Processed beta-1,4-galactosyltransferase 1] Secreted. Soluble form found in body fluids.  Tissue Specificity  Ubiquitously expressed, but at very low levels in fetal and adult brain.  Function  catalytic activity:UDP-galactose + D-glucose = UDP + lactose.,catalytic activity:UDP-galactose + N-acetyl-beta-D-glucosaminylglycopeptide = UDP +	Storage Stability	-20°C/1 year
Cell Pathway  [Isoform Long]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cell membrane; Single-pass type II membrane protein. Cell surface. Cell projection, filopodium. Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed:1714903). B4GALT1 cell surface expression is regulated by UBE2Q1 (By similarity); [Isoform Short]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Found in trans cisternae of Golgi; [Processed beta-1,4-galactosyltransferase 1] Secreted. Soluble form found in body fluids.  Tissue Specificity  Ubiquitously expressed, but at very low levels in fetal and adult brain.  Function  catalytic activity:UDP-galactose + D-glucose = UDP + lactose.,catalytic activity:UDP-galactose + N-acetyl-beta-D-glucosaminylglycopeptide = UDP +	Synonyms	Beta4Gal-T1; b4Gal-T1; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1;
membrane protein. Cell membrane; Single-pass type II membrane protein. Cell surface. Cell projection, filopodium. Found in trans cisternae of Golgi but is mainly localized at the plasma membrane (PubMed:1714903). B4GALT1 cell surface expression is regulated by UBE2Q1 (By similarity); [Isoform Short]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Found in trans cisternae of Golgi; [Processed beta-1,4-galactosyltransferase 1] Secreted. Soluble form found in body fluids  Tissue Specificity  Ubiquitously expressed, but at very low levels in fetal and adult brain.  Function  catalytic activity:UDP-galactose + D-glucose = UDP + lactose.,catalytic activity:UDP-galactose + N-acetyl-beta-D-glucosaminylglycopeptide = UDP +	Observed Band	50kD
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beta-b-galactosyi-(1-24)-iv-acetyi-beta-b-giucosaminyigiycopeptide.,catalytic	rissue Specificity	Obiquitously expressed, but at very low levels in letar and addit brain.

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国内优质抗体供应商 精准的 WB 检测服务 24H 在线服务, 欢迎咨询



	activity:UDP-galactose + N-acetyl-D-glucosamine = UDP + N-acetyllactosamine.,cofactor:Manganese.,disease:Defects in B4GALT1 are the cause of congenital disorder of glycosylation type 2D (CDG2D) [MIM:607091]. CDGs are a family of severe inherited diseases caused by a defect in protein N-glycosylation. They are characterized by under-glycosylated serum proteins. These multisystem disorders present with a wide variety of clinical features, such as disorders of the nervous system development, psychomotor retardation, dysmorphic features, hypotonia, coagulation disorders, and immunodeficiency. The broad spectrum of features reflects the critical role of N-glycoproteins duri
Background	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. This gene is unique among the beta4GalT genes because it encodes an enzyme that participates both in glycoconjugate and lacto
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**

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