

Human beta 1, 3 galactosyl O glycosyl glycoprotein beta 1, 6 N acetylglucosaminyltransferase (GCNT1) ELISA Kit | GCNT1 elisa kit

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CATALOG # AAA27191	REACTIVITY Human
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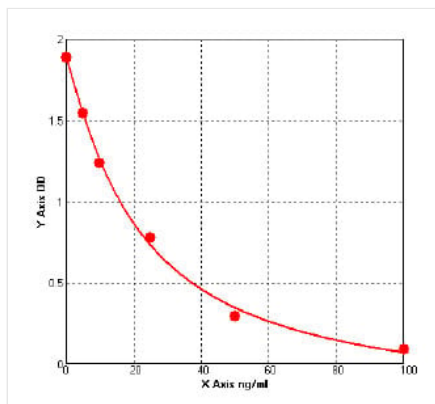
PRODUCT SYNONYMS

beta 1; 3 galactosyl O glycosyl glycoprotein beta 1; 6 N acetylglucosaminyltransferase (GCNT1); Human beta 1; 6 N acetylglucosaminyltransferase (GCNT1) ELISA Kit; Human b 1; 3 galactosyl O glycosyl glycoprotein b 1; GCNT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GCNT1. No significant cross-reactivity or interference between GCNT1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GCNT1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCNT1 elisa kit	Principle of the Assay: GCNT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GCNT1 antibody and an GCNT1-HRP conjugate. The assay sample and buffer are incubated together with GCNT1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GCNT1 concentration since GCNT1 from samples and GCNT1-HRP conjugate compete for the anti-GCNT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GCNT1 from the sample, fewer sites are left to bind GCNT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GCNT1 concentration in each sample is interpolated from this standard curve. Intended Uses: This GCNT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GCNT1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for GCNT1 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	218512053
NCBI GeneID	2650
Molecular Weight	49,799 Da
NCBI Official Full Name	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase
NCBI Official Synonym Full Names	glucosaminyl (N-acetyl) transferase 1, core 2
NCBI Official Symbol	GCNT1
NCBI Official Synonym Symbols	G6NT; C2GNT; C2GNT1; NACGT2; NAGCT2; C2GNT-L
NCBI Protein Information	beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase; core 2 GnT; core 2 branching enzyme; core 2-branching enzyme; core2-GlcNAc-transferase; core 2 beta1,6 N-acetylglucosaminyltransferase-I; core 2 beta-1,6-N-acetylglucosaminyltransferase I; beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N--acetylglucosaminyltransferase; glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)
UniProt Protein Name	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase
UniProt Gene Name	GCNT1
UniProt Synonym Gene Names	NACGT2; C2GNT; Core 2 GNT
UniProt Entry Name	GCNT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/beta-1-3-galactosyl-o-glycosyl-glycoprotein-beta-1-6-n-acetylglucosaminyltransferase-gcnt1/27191>