

Human Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3 (GCNT3) ELISA Kit | GCNT3 elisa kit

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CATALOG #
AAA247147

REACTIVITY
Human

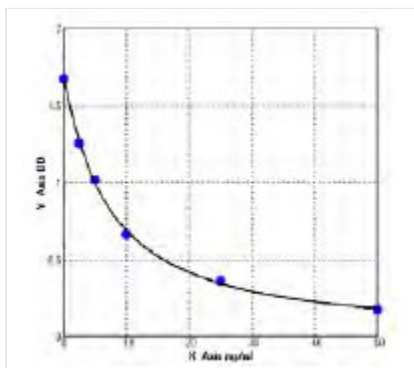
PRODUCT SYNONYMS

Beta-1; 3-galactosyl-O-glycosyl-glycoprotein beta-1; 6-N-acetylglucosaminyltransferase 3 (GCNT3); Human Beta-1; 6-N-acetylglucosaminyltransferase 3 (GCNT3) ELISA Kit; GCNT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GCNT3. No significant cross-reactivity or interference between GCNT3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GCNT3 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	438
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCNT3 elisa kit	Intended Uses: This GCNT3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GCNT3. This ELISA kit for research use only! Principle of the Assay: GCNT3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GCNT3 antibody and an GCNT3-HRP conjugate. The assay sample and buffer are incubated together with GCNT3-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 GCNT3 concentration since GCNT3 from samples and GCNT3-HRP conjugate compete for the anti-GCNT3 antibody binding site. Since the number of sites is limited, as more sites are occupied by GCNT3 from the sample, fewer sites are left to bind GCNT3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GCNT3 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758422
NCBI GeneID	9245
NCBI Accession #	NP_004742.1
NCBI GenBank Nucleotide #	NM_004751.2
UniProt Accession #	O95395
Molecular Weight	50,864 Da
NCBI Official Full Name	beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3
NCBI Official Synonym Full Names	glucosaminyl (N-acetyl) transferase 3, mucin type
NCBI Official Symbol	GCNT3
NCBI Official Synonym Symbols	GNTM; C24GNT; C2GNT2; C2GNTM; C2/4GnT
NCBI Protein Information	beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3
UniProt Protein Name	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3
UniProt Gene Name	GCNT3
UniProt Synonym Gene Names	C2GnT-M; hC2GnT-M; C2/4GnT

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-13-galactosyl-o-glycosyl-glycoprotein-beta-16-n-acetylglucosaminyltransferase-3-gcnt3/247147>