

Human Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C (MGAT4C) ELISA Kit | MGAT4C elisa kit

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CATALOG #
AAA331782

REACTIVITY
Human

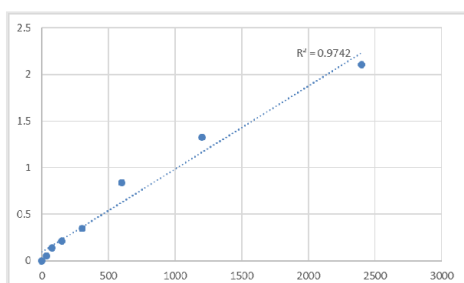
PRODUCT SYNONYMS

Alpha-1; 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C (MGAT4C); Human Alpha-1; 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C (MGAT4C) ELISA Kit; MGAT4C; GNTIVH; HGNT-IV-H; UDP-N-acetylglucosamine:a-1; 3-D-mannoside beta-1; 4-N-acetylglucosaminyltransferase IV; 4-N-acetylglucosaminyltransferase IV-homolog; MGAT4C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C (MGAT4C) ELISA Kit has high sensitivity and excellent specificity for detection of Human MGAT4C. No significant cross-reactivity or interference between Human MGAT4C and analogues was observed.
Sequence Length	478
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C (MGAT4C) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MGAT4C elisa kit	Description: This Human Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C (MGAT4C) ELISA Kit employs a two-site sandwich ELISA to quantitate MGAT4C in samples. An antibody specific for MGAT4C has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MGAT4C present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MGAT4C is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MGAT4C bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MGAT4C (MGAT4 Family Member C) is a Protein Coding gene. Diseases associated with MGAT4C include Mannosidosis, Beta and Muscular Dystrophy, Congenital. Among its related pathways are Transport to the Golgi and subsequent modification and Metabolism of proteins. GO annotations related to this gene include transferase activity, transferring hexosyl groups and alpha-1,3-mannosylglycoprotein 4-beta-N-acetylglucosaminyltransferase activity. An important paralog of this gene is MGAT4A. Glycosyltransferase that participates in the transfer of N-acetylglucosamine (GlcNAc) to the core mannose residues of N-linked glycans. Catalyzes the formation of the GlcNAcbeta1-4 branch on the GlcNAcbeta1-2Manalpha1-3 arm of the core structure of N-linked glycans. Essential for the production of tri- and tetra-antennary N-linked sugar chains (By similarity). Does not catalyze the transfer of GlcNAc to the Manalpha1-6 arm to form GlcNAcBeta1-4Manalpha1-6 linkage (GnT-VI activity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166197698
NCBI GeneID	25834
NCBI Accession #	NP_037376.2
NCBI GenBank Nucleotide #	NP_037376.2
UniProt Accession #	Q9UBM8
NCBI Official Full Name	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C isoform c
NCBI Official Synonym Full Names	MGAT4 family member C
NCBI Official Symbol	MGAT4C
NCBI Official Synonym Symbols	GNTIVH; HGNT-IV-H
NCBI Protein Information	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C
UniProt Protein Name	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C
UniProt Gene Name	MGAT4C
UniProt Synonym Gene Names	hGnT-IV-H; GlcNAc-T IVc; GnT-IVc; N-acetylglucosaminyltransferase IVc
UniProt Entry Name	MGT4C_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/alpha-13-mannosyl-glycoprotein-4-beta-n-acetylglucosaminyltransferase-c-mgat4c/331782>