

Human Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B (MGAT4B) ELISA Kit | MGAT4B elisa kit

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CATALOG #
AAA331783

REACTIVITY
Human

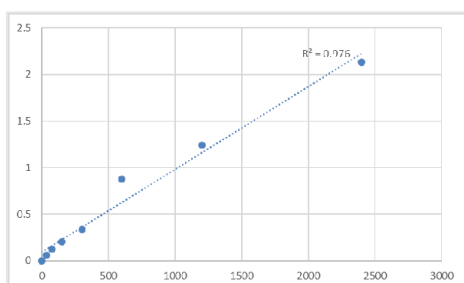
PRODUCT SYNONYMS

Alpha-1; 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B (MGAT4B); Human Alpha-1; 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B (MGAT4B) ELISA Kit; MGAT4B; GNT-IV; GNT-IVB; UDP-N-acetylglucosamine: alpha-1; 3-D-mannoside beta-1; 4-N-acetylglucosaminyltransferase IV; alpha-1; 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B; 3-mannosyl; MGAT4B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B (MGAT4B) ELISA Kit has high sensitivity and excellent specificity for detection of Human MGAT4B. No significant cross-reactivity or interference between Human MGAT4B and analogues was observed.
Sequence Length	548
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 B (MGAT4B) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MGAT4B elisa kit	Description: This Human Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B (MGAT4B) ELISA Kit employs a two-site sandwich ELISA to quantitate MGAT4B in samples. An antibody specific for MGAT4B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MGAT4B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MGAT4B 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 MGAT4B bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MGAT4B encodes a key glycosyltransferase that regulates the formation of tri- and multiantennary branching structures in the Golgi apparatus. The encoded protein, in addition to the related isoenzyme A, catalyzes the transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc in a beta-1,4 linkage to the Man-alpha-1,3-Man-beta-1,4-GlcNAc arm of R-Man-alpha-1,6(GlcNAc-beta-1,2-Man-alpha-1,3)Man-beta-1,4-GlcNAc-beta-1,4-GlcNAc-beta-1-Asn. The encoded protein may play a role in regulating the availability of serum glycoproteins, oncogenesis, and differentiation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7710152
NCBI GeneID	11282
NCBI Accession #	NP_055090.1
NCBI GenBank Nucleotide #	NP_055090.1
UniProt Accession #	Q9UQ53
NCBI Official Full Name	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B isoform 1
NCBI Official Synonym Full Names	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B
NCBI Official Symbol	MGAT4B
NCBI Official Synonym Symbols	GNT-IV; GNT-IVB
NCBI Protein Information	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B
UniProt Protein Name	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B
UniProt Gene Name	MGAT4B
UniProt Synonym Gene Names	UNQ906/PRO1927; GlcNAc-T IVb; GnT-IVb; N-acetylglucosaminyltransferase IVb
UniProt Entry Name	MGT4B_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.