

Human Alpha 1, 3 mannosyl glycoprotein 4 beta N acetylglucosaminyltransferase A (MGAT4A) ELISA Kit | MGAT4A elisa kit

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CATALOG #
AAA244912

REACTIVITY
Human

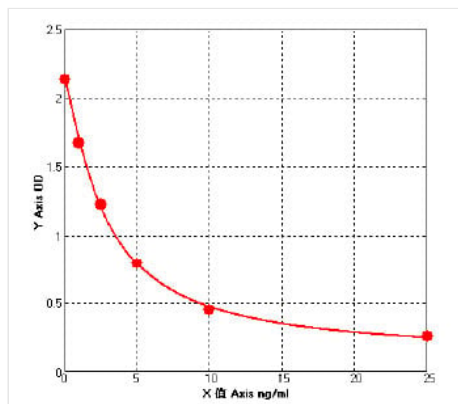
PRODUCT SYNONYMS

Alpha 1; 3 mannosyl glycoprotein 4 beta N acetylglucosaminyltransferase A (MGAT4A); Human Alpha 1; 3 mannosyl glycoprotein 4 beta N acetylglucosaminyltransferase A (MGAT4A) ELISA Kit; 3 mannosyl glycoprotein 4 b N acetylglucosaminyltransferase A (MGAT4A) ELISA Kit; MGAT4A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MGAT4A. No significant cross-reactivity or interference between MGAT4A and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MGAT4A and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MGAT4A elisa kit	Intended Uses: This MGAT4A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MGAT4A. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MGAT4A ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MGAT4A antibody and an MGAT4A-HRP conjugate. The assay sample and buffer are incubated together with MGAT4A-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 MGAT4A concentration since MGAT4A from samples and MGAT4A-HRP conjugate compete for the anti-MGAT4A antibody binding site. Since the number of sites is limited, as more sites are occupied by MGAT4A from the sample, fewer sites are left to bind MGAT4A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MGAT4A concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MGAT4A elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912502
NCBI GeneID	11320
NCBI Accession #	NP_036346.1
NCBI GenBank Nucleotide #	NM_012214.2
Molecular Weight	48,946 Da
NCBI Official Full Name	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A isoform 1
NCBI Official Synonym Full Names	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A
NCBI Official Symbol	MGAT4A
NCBI Official Synonym Symbols	GNT-IV; GnT-4a; GNT-IVA
NCBI Protein Information	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A; glcNAc-T IVa; N-acetylglucosaminyltransferase IVa; UDP-GlcNAc:alpha-1,3-D-mannoside b-1,4-acetylglucosaminyltransferase IV; alpha-1,3-mannosyl-glycoprotein beta-1,4-N-acetylglucosaminyltransferase; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVa; UDP-N-acetylglucosamine:alpha1,3-d-mannoside beta1,4-N-acetylglucosaminyltransferase; mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A; UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IVa
UniProt Protein Name	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A
UniProt Gene Name	MGAT4A
UniProt Synonym Gene Names	GlcNAc-T IVa; GnT-IVa; N-acetylglucosaminyltransferase IVa
UniProt Entry Name	MGT4A_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.