

Human Alpha 1, 6 mannosylglycoprotein 6 beta N acetylglucosaminyltransferase A (MGAT5) ELISA Kit | MGAT5 elisa kit

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CATALOG # AAA244789	REACTIVITY Human
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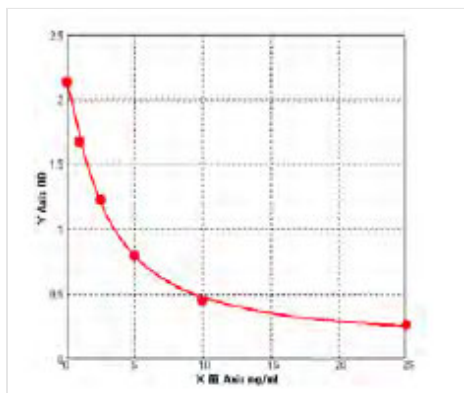
PRODUCT SYNONYMS

Alpha 1; 6 mannosylglycoprotein 6 beta N acetylglucosaminyltransferase A (MGAT5); Human Alpha 1; 6 mannosylglycoprotein 6 beta N acetylglucosaminyltransferase A (MGAT5) ELISA Kit; 6 mannosylglycoprotein 6 b N acetylglucosaminyltransferase A (MGAT5) ELISA Kit; MGAT5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MGAT5. No significant cross-reactivity or interference between MGAT5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MGAT5 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 MGAT5 elisa kit	Intended Uses: This MGAT5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MGAT5. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MGAT5 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MGAT5 antibody and an MGAT5-HRP conjugate. The assay sample and buffer are incubated together with MGAT5-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 MGAT5 concentration since MGAT5 from samples and MGAT5-HRP conjugate compete for the anti-MGAT5 antibody binding site. Since the number of sites is limited, as more sites are occupied by MGAT5 from the sample, fewer sites are left to bind MGAT5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MGAT5 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MGAT5 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	1169980
NCBI GeneID	4249
Molecular Weight	84,543 Da
NCBI Official Full Name	Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A
NCBI Official Synonym Full Names	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase
NCBI Official Symbol	MGAT5
NCBI Official Synonym Symbols	GNT-V; GNT-VA
NCBI Protein Information	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A; glcNAc-T V; N-acetylglucosaminyl-transferase V; mannoside acetylglucosaminyltransferase 5; alpha-mannoside beta-1,6-N-acetylglucosaminyltransferase
UniProt Protein Name	Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A
UniProt Gene Name	MGAT5
UniProt Synonym Gene Names	GGNT5; GNT-V
UniProt Entry Name	MGT5A_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-1-6-mannosylglycoprotein-6-beta-n-acetylglucosaminyltransferase-a-mgat5/244789>