

Human Alpha 1, 3 mannosyl glycoprotein 2 beta N acetylglucosaminyltransferase (MGAT1) ELISA Kit | MGAT1 elisa kit

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CATALOG #
AAA246562

REACTIVITY
Human

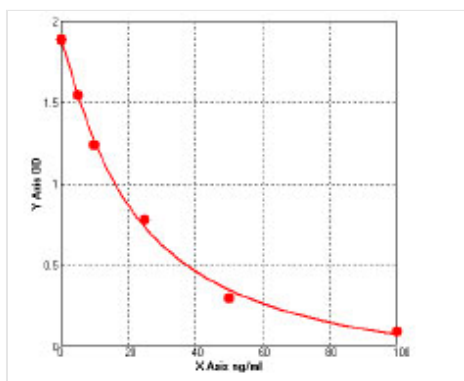
PRODUCT SYNONYMS

Alpha 1; 3 mannosyl glycoprotein 2 beta N acetylglucosaminyltransferase (MGAT1); Human Alpha 1; 3 mannosyl glycoprotein 2 beta N acetylglucosaminyltransferase (MGAT1) ELISA Kit; 3 mannosyl glycoprotein 2 b N acetylglucosaminyltransferase (MGAT1) ELISA Kit; MGAT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MGAT1 elisa kit

Intended Uses: This MG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MG. This ELISA kit for research use only!

Principle of the Assay: MG ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MG antibody and an MG-HRP conjugate. The assay sample and buffer are incubated together with MG-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 MG concentration since MG from samples and MG-HRP conjugate compete for the anti-MG antibody binding site. Since the number of sites is limited, as more sites are occupied by MG from the sample, fewer sites are left to bind MG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MG concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167857786
NCBI GeneID	4245
NCBI Accession #	NP_001108092.1
NCBI GenBank Nucleotide #	NM_001114620.1
Molecular Weight	50,878 Da
NCBI Official Full Name	alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
NCBI Official Synonym Full Names	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase
NCBI Official Symbol	MGAT1
NCBI Official Synonym Symbols	MGAT; GLCT1; GLYT1; GNT-1; GNT-I; GLCNAC-TI
NCBI Protein Information	alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase; glcNAc-T I; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase I
UniProt Protein Name	Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
UniProt Gene Name	MGAT1
UniProt Synonym Gene Names	GGNT1; GLCT1; GLYT1; MGAT; GNT-I; GlcNAc-T I
UniProt Entry Name	MGAT1_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-1-3-mannosyl-glycoprotein-2-beta-n-acetylglucosaminyltransferase-mgat1/246562>