

MGAT1 monoclonal antibody (M08A), clone 2G4

Catalog # H00004245-M08A

Size 200 uL

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MGAT1.
Immunogen	MGAT1 (NP_002397, 348 a.a. ~ 445 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	YLQREAYDRDFLARVYGAPQLQVEKVRTNDRKELGEVRVQYTGRDSFKAKAFKALGVMDLKGSGVPRAGYRGVTFQFRGRRVHLAPPLTWEGYDPSWN
Host	Mouse
Reactivity	Human
Isotype	IgM Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — MGAT1

Entrez GeneID	4245
GeneBank Accession#	NM_002406
Protein Accession#	NP_002397
Gene Name	MGAT1

Gene Alias	GLCNAC-TI, GLCT1, GLYT1, GNT-1, GNT-I, MGAT
Gene Description	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase
Omim ID	160995
Gene Ontology	Hyperlink
Gene Summary	There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. UDP-N-acetylglucosamine:alpha-3-D-mannoside beta-1,2-N-acetylglucosaminyltransferase I is a medial-Golgi enzyme essential for the synthesis of hybrid and complex N-glycans. The protein, encoded by a single exon, shows typical features of a type II transmembrane protein. The protein is believed to be essential for normal embryogenesis. Several variants encoding the same protein have been found for this gene. [provided by RefSeq]
Other Designations	N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase OTTHUMP00000161546

Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)

Disease

- [Amphetamine-Related Disorders](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Obesity](#)
- [Psychoses](#)