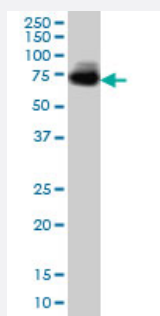


# MGAT4A monoclonal antibody (M02), clone 4H4

Catalog # H00011320-M02

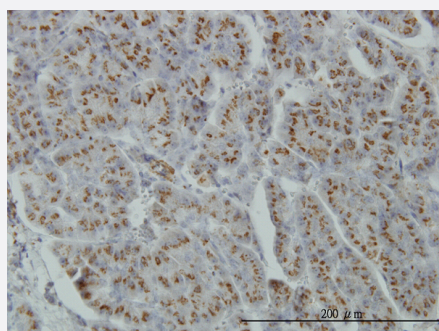
Size 100 ug

## Applications



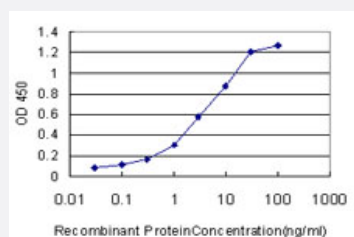
### Western Blot (Cell lysate)

MGAT4A monoclonal antibody (M02), clone 4H4 Western Blot analysis of MGAT4A expression in Jurkat ( Cat # L017V1 ).



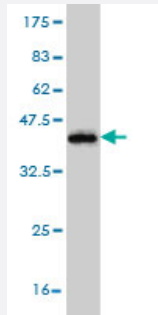
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MGAT4A on formalin-fixed paraffin-embedded human pancreas. [antibody concentration 0.2 ug/ml]



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MGAT4A is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant MGAT4A.
<b>Immunogen</b>	MGAT4A (NP_036346, 436 a.a. ~ 535 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	PVNVESYLFHSGNQEHPPGDILLNTTVEVLPPFKSEGLEISKETKDKRLEDGYFRIGKFENGVAEGMV DPSLNPISAFRLSVIQNSAVWAILNEIHIKKATN
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (93); Rat (94)
<b>Isotype</b>	IgG1 Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

MGAT4A monoclonal antibody (M02), clone 4H4 Western Blot analysis of MGAT4A expression in Jurkat ( Cat # L017V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

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Immunoperoxidase of monoclonal antibody to MGAT4A on formalin-fixed paraffin-embedded human pancreas. [antibody concentration 0.2 ug/ml]

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[Protocol Download](#)

- ELISA

## Gene Info — MGAT4A

Entrez GeneID [11320](#)

GeneBank Accession# [NM\\_012214](#)

Protein Accession# [NP\\_036346](#)

Gene Name MGAT4A

Gene Alias GNT-IV, GNT-IVA

Gene Description mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A

Omim ID [604623](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene 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 isozyme B, 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. [provided by RefSeq]

**Other Designations** N-acetylglucosaminyltransferase IVa[OTTHUMP00000161122]UDP-GlcNAc:a-1,3-D-mannoside b-1,4-acetylglucosaminyltransferase IV[UDP-N-acetylglucosamine:alpha1,3-d-mannoside beta1,4-N-acetylglucosaminyltransferase]alpha-1,3-mannosyl-glycoprotein beta-1,4-N-acet

## Pathway

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