

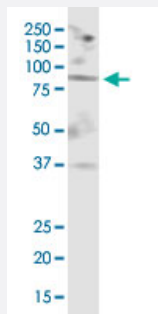
CX Grade

MGAT5 monoclonal antibody (M09J), clone 3E9

Catalog # H00004249-M09J

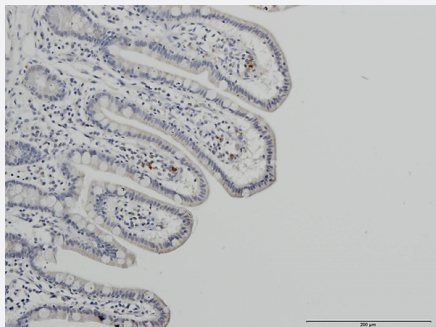
Size 100 ug

Applications



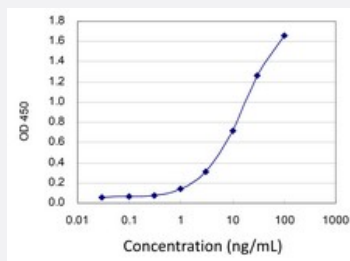
Western Blot (Cell lysate)

MGAT5 monoclonal antibody (M09J), clone 3E9. Western Blot analysis of MGAT5 expression in Jurkat.



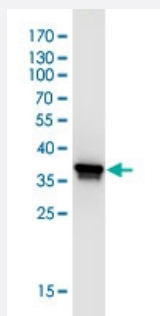
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MGAT5 on formalin-fixed paraffin-embedded human small intestine. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MGAT5 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MGAT5. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	MGAT5 (NP_002401, 642 a.a. ~ 739 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LAEPGQSCKQVCQESQLICEPSFFQHLNKDKDMLKYKVTCQSSELAKDILVPSFDPKNKHCVFQ GDLLLFSCAGAHPRHQRVPCRDFFIKGQVALCKD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (92)
Preparation Method	Cell Culture Production
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

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[Protocol Download](#)

- Western Blot (Recombinant protein)

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[Protocol Download](#)

- ELISA

Gene Info — MGAT5

Entrez GeneID [4249](#)

GeneBank Accession# [NM_002410](#)

Protein Accession# [NP_002401](#)

Gene Name MGAT5

Gene Alias GNT-V, GNT-VA

Gene Description mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase

Omim ID [601774](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase , a glycosyltransferase involved in the synthesis of protein-bound and lipid-bound oligosaccharide s. Alterations of the oligosaccharides on cell surface glycoproteins cause significant changes in th e adhesive or migratory behavior of a cell. Increase in the encoded protein's activity may correlate with the progression of invasive malignancies. [provided by RefSeq]

Other Designations N-acetylglucosaminyltransferase V|alpha-1,3(6)-mannosylglycoprotein beta-1,6-N-acetyl-glucosa minyltransferase|alpha-mannoside beta-1,6-N-acetylglucosaminyltransferase

Pathway

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

Disease

- [Alcoholism](#)
- [Brain Ischemia](#)
- [Conduct Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)
- [Stroke](#)