

**MOGAT3 Antibody (monoclonal) (M05)**

Mouse monoclonal antibody raised against a partial recombinant MOGAT3.

Catalog # AT2886a

**Specification**

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**MOGAT3 Antibody (monoclonal) (M05) - Product Information**

Application	IF, WB
Primary Accession	<a href="#">Q86VF5</a>
Other Accession	<a href="#">NM_178176</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	38730

**MOGAT3 Antibody (monoclonal) (M05) - Additional Information**

Gene ID 346606

**Other Names**

2-acylglycerol O-acyltransferase 3, Acyl-CoA:monoacylglycerol acyltransferase 3, MGAT3, Diacylglycerol O-acyltransferase candidate 7, hDC7, Diacylglycerol acyltransferase 2-like protein 7, Monoacylglycerol O-acyltransferase 3, MOGAT3, DC7, DGAT2L7

**Target/Specificity**

MOGAT3 (NP\_835470, 59 a.a. ~ 107 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

MOGAT3 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

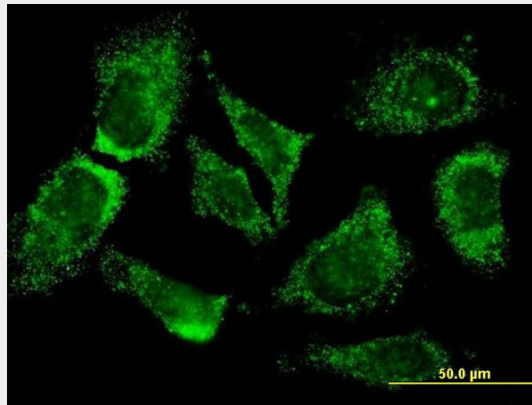
**MOGAT3 Antibody (monoclonal) (M05) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

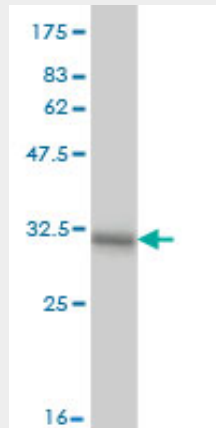
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### MOGAT3 Antibody (monoclonal) (M05) - Images



Immunofluorescence of monoclonal antibody to MOGAT3 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (31.13 KDa) .

### MOGAT3 Antibody (monoclonal) (M05) - Background

Acyl-CoA:monoacylglycerol acyltransferase (MOGAT; EC 2.3.1.22) catalyzes the synthesis of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA (Cheng et al., 2003 [PubMed 12618427]).

### MOGAT3 Antibody (monoclonal) (M05) - References

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Genomic organization of the DGAT2/MOGAT gene family in cattle (*Bos taurus*) and other mammals. Winter A, et al. Cytogenet Genome Res, 2003. PMID 14970677. The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment. Clark HF, et al. Genome Res, 2003 Oct. PMID 12975309. The DNA sequence of human chromosome 7. Hillier LW, et al. Nature, 2003 Jul 10. PMID 12853948. Identification of acyl

coenzyme A:monoacylglycerol acyltransferase 3, an intestinal specific enzyme implicated in dietary fat absorption. Cheng D, et al. J Biol Chem, 2003 Apr 18. PMID 12618427.