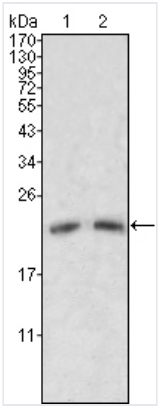
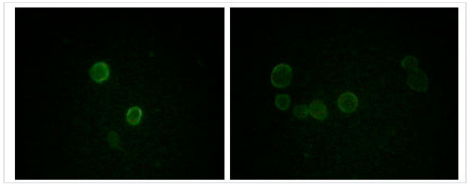
ApoM Antibody – Mouse

PRODUCT OVERVIEW

Product Name	ApoM, Antibody
Full Product Name	ApoM Antibody
Product Gene Name	anti-ApoM antibody
Product Synonym Names	G3a; NG20; HSPC336; MGC22400
Isotype	IgG1
Clone Number	8F12C6B8
Host	Mouse
Species Reactivity	Human
Form/Format	Purified antibody in PBS containing 0.03% sodium azide.
Preparation and Storage	Store at 4 degree C, for long term storage, store at-20 degree C
Molecular Weight	21kDa
OMIM	606907
3D Structure	ModBase 3D Structure for O95445
Immunogen	Purified recombinant fragment of human ApoM expressed in E. Coli.
Product Categories/Family for anti-ApoM antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ApoM antibody	Western Blot (WB), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-ApoM antibody	WB: 1:500-1:2000 IF: 1:200-1:1000 ELISA: 1:10000
Related Product Information for anti-ApoM antibody	ApoM (apolipoprotein M, also designated G3a or NG20), with 188-amino acid protein(about 21kDa), is an apolipoprotein and member of the lipocalin protein family. The Apo-proteins are involved in the specific binding of cellular receptors, the regulation of lipolytic enzymes, and the process of lipid exchange. The encoded protein is secreted through the plasma membrane but remains membrane-bound, where it is involved in lipid transport. The N-terminal region of Apo-M contains hydrophobic residues that may promote association with the phospholipid layer of lipoprotein particles. In vitro, Apo-M is glycosylated when translated in the presence of microsomes, and remains associated with the microsomes after carbonate treatment. Apo-M is expressed in liver and kidney, and is secreted into the bloodstream in HDLs, and also found in triglyceride-rich lipoproteins and LDLs.
Other Notes	Small volumes of anti-ApoM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ApoM purchase	MBS850839 is an antibody targeting ApoM. Also known as ApoM Antibody. Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-ApoM antibody
Figure 1. Western blot analysis using ApoM mouse mAb against human serum (1, 2).



Immunofluorescence (IF) of anti-ApoM antibody
Figure 2. Immunofluorescence analysis of methanol-fixed L-02 (left) and Cos7 (right) cells using ApoM mouse mAb showing cytoplasmic and membrane localization.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ApoM. It may not necessarily be applicable to this product.

NCBI GI #	371873523
NCBI GeneID	55937
NCBI Accession #	NP_001243098.1
UniProt Primary Accession #	O95445
UniProt Secondary Accession #	Q5SRP4; Q9P046; Q9UMP6; B0UX98
UniProt Related Accession #	O95445
GenBank Nucleotide #	NM_001256169.1
NCBI Official Full Name	apolipoprotein M isoform 2
NCBI Official Synonym Full Names	apolipoprotein M
NCBI Official Symbol	APOM
NCBI Official Synonym Symbols	G3a; NG20; apo-M; HSPC336
UniProt Protein Name	Apolipoprotein M
UniProt Synonym Protein Names	Protein G3a
Protein Family	Apolipoprotein
UniProt Gene Name	APOM
UniProt Synonym Gene Names	G3A; NG20; Apo-M; ApoM
NCBI Protein Information	apolipoprotein M
NCBI Summary for ApoM	The protein encoded by this gene is an apolipoprotein and member of the lipocalin protein family. It is found associated with high density lipoproteins and to a lesser extent with low density lipoproteins and triglyceride-rich lipoproteins. The encoded protein is secreted through the plasma membrane but remains membrane-bound, where it is involved in lipid transport. Alternate splicing results in both coding and non-coding variants of this gene. [provided by RefSeq, Jan 2012]
UniProt Comments for ApoM	Probably involved in lipid transport. Can bind sphingosine-1-phosphate, myristic acid, palmitic acid and stearic acid, retinol, all-trans-retinoic acid and 9-cis-retinoic acid.
Research Articles on ApoM	**1.** The potential of mean force for sphingosine-1-phosphate unbinding from apoM reflected a large binding strength of more than 60 kJ/mol. This high unbinding free energy for sphingosine-1-phosphate underlines the observed specificity of the physiological effects of sphingosine-1-phosphate as it suggests that the spontaneous release of sphingosine-1-phosphate from apoM is unlikely.

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