

Summary

Production Name	ApoM Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	ICC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	ApoM
Alternative Names	G3a; NG20; HSPC336; MGC22400
Gene ID	55937.0
SwissProt ID	O95445. Purified recombinant fragment of ApoM expressed in E. Coli.

Application

Dilution Ratio	ICC:1:200-1:1000,ELISA:1:10000
Molecular Weight	21kDa

Background

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

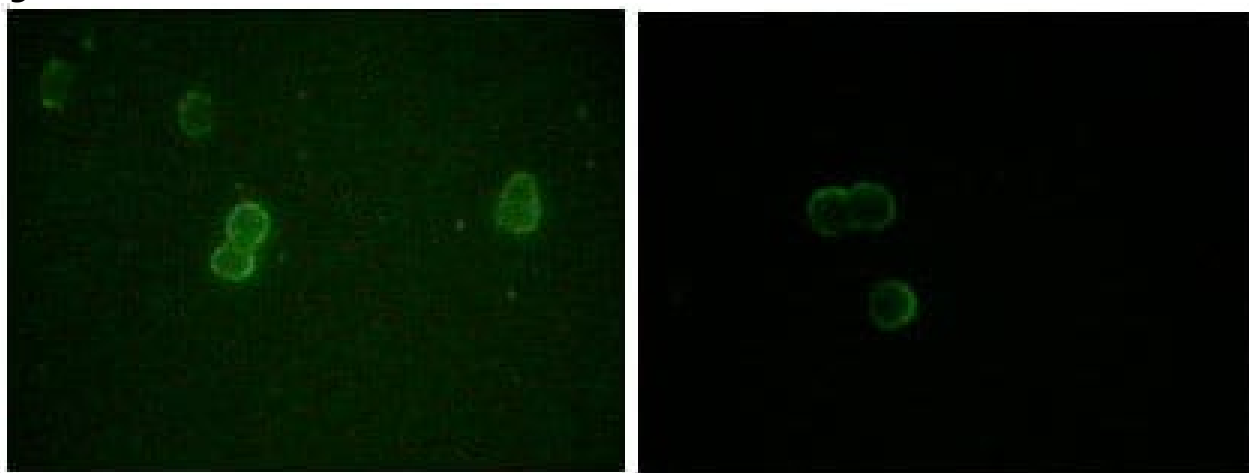
Product Name: ApoM Mouse Monoclonal Antibody
Catalog #: AMM80577



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.

Research Area

Image Data



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

Note

For research use only.