

ApoM Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3641
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human ApoM expressed in E. Coli.
Mol wt	21kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, ICC
Concentration	N/A
Full name	N/A
Synonyms	G3a;NG20;HSPC336;MGC22400

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 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.

Recommended Dilution

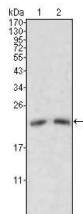
WB: 1:500 - 1:2000

ICC: 1:200 - 1:1000

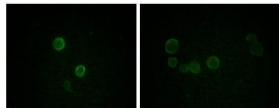
ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using ApoM mouse mAb against human serum (1, 2).



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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