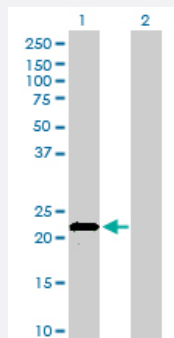


APOM monoclonal antibody (M01), clone 1F10

Catalog # H00055937-M01

Size 100 ug

Applications

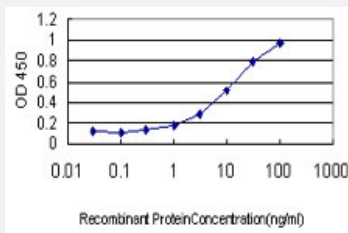


Western Blot (Transfected lysate)

Western Blot analysis of APOM expression in transfected 293T cell line by APOM monoclonal antibody (M01), clone 1F10.

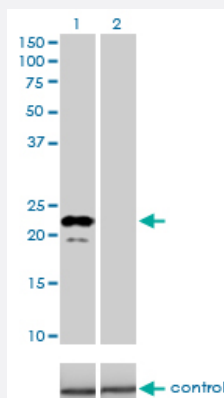
Lane 1: APOM transfected lysate (21.3 kDa).

Lane 2: Non-transfected lysate.



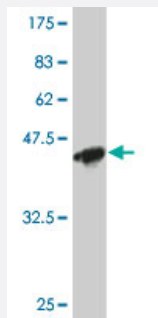
Sandwich ELISA (Recombinant protein)

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



RNAi Knockdown (Antibody validated)

Western blot analysis of APOM over-expressed 293 cell line, cotransfected with APOM Validated Chimera RNAi (Cat # H00055937-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with APOM monoclonal antibody (M01), clone 1F10 (Cat # H00055937-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (44 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant APOM.
Immunogen	APOM (AAH20683, 23 a.a. ~ 188 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	CPEHSQLTTLGVDGKEFPEVHLGQWYFIAGAAPTKEELATFDPVDNIVFNMAAGSAPMQLHLRAT IRMKDGLCVPRKWYHLTEGSTDLRTEGRPDMKTELFSSSCP GGIMLNETGQGYQRFLLYNRSPH PPEKCVVEEFKSLTSCLD SKAFLLTPRNQEACELSNN
Host	Mouse
Reactivity	Human
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (44 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 (Transfected lysate)

Western Blot analysis of APOM expression in transfected 293T cell line by APOM monoclonal antibody (M01), clone 1F10.

Lane 1: APOM transfected lysate(21.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of APOM over-expressed 293 cell line, cotransfected with APOM Validated Chimera RNAi (Cat # H00055937-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with APOM monoclonal antibody (M01), clone 1F10 (Cat # H00055937-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — APOM

Entrez GeneID [55937](#)

GeneBank Accession# [BC020683](#)

Protein Accession# [AAH20683](#)

Gene Name APOM

Gene Alias G3a, HSPC336, MGC22400, NG20

Gene Description apolipoprotein M

Omim ID [606907](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. Two transcript variants encoding two different isoforms have been found for this gene, but only one of them has been fully characterized. [provided by RefSeq]

Other Designations NG20-like protein|OTTHUMP00000029364|alternative name: G3a, NG20

Publication Reference

- [17 \$\beta\$ -estradiol regulates the expression of apolipoprotein M through estrogen receptor \$\alpha\$ -specific binding motif in its promoter.](#)

Wei J, Yu Y, Luo GH, Feng YH, Shi YP, Zhang J, Mu QF, Yu MM, Pan LL, Berggren-Söderlund M, Nilsson-Ehle P, Zhang XY, Xu N.

Lipids in Health and Disease 2017 Mar; 16(1):66.

Application: WB-Ce, Human, HepG2 cells

- [Effects of simvastatin on apolipoprotein M in vivo and in vitro.](#)

Zhang X, Mao S, Luo G, Wei J, Berggren-Soderlund M, Nilsson-Ehle P, Xu N.

Lipids in Health and Disease 2011 Jul; 10:112.

Application: Dot, Mouse, Serum

- [Liver X receptor agonist downregulates hepatic apoM expression in vivo and in vitro.](#)

Zhang X, Zhu Z, Luo G, Zheng L, Nilsson-Ehle P, Xu N.

Biochemical and Biophysical Research Communications 2008 Apr; 371(1):114.

Application: Dot, Mouse, Mouse serum

Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)

- [Osteoarthritis](#)