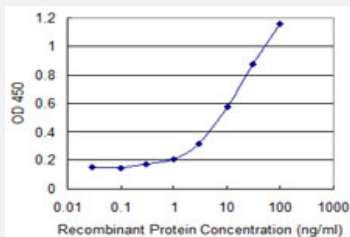


APOM monoclonal antibody (M03), clone 1G9

Catalog # H00055937-M03

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged APOM is 0.1 ng/ml as a capture antibody.



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 IRMKDGLCVPRKWIYHLTEGSTDLRTEGRPDMKTELFSSSCPGGIMLNETGGGYQRFLLYNRSPH PPEKCVVEEFKSLTSCLDKAFLLTPRNQEACELSNN
Host	Mouse
Reactivity	Human

Isotype	IgG1 Kappa
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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged APOM is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

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

- [Circulating cord blood HDL-S1P complex preserves the integrity of the feto-placental vasculature.](#)

Del Gaudio I, Sreckovic I, Zardoya-Laguardia P, Bernhart E, Christoffersen C, Frank S, Marsche G, Illanes SE, Wadsack C. Biochimica et Biophysica Acta. Molecular and Cell Biology of Lipids 2020 Apr; 1865(4):158632.

Application: Cap Ab, ELISA, Human, Cord plasma

- [Apolipoprotein M: a novel adipokine decreasing with obesity and upregulated by calorie restriction.](#)

Sramkova V, Berend S, Siklova M, Caspar-Bauguil S, Carayol J, Bonnel S, Marques M, Decaunes P, Kolditz CI, Dahlman I, Amer P, Stich V, Saris WHM, Astrup A, Valsesia A, Rossmeislova L, Langin D, Viguerie N.

The American Journal of Clinical Nutrition 2019 Jun; 109(6):1499.

Application: WB, Human, Adipose tissue

- [Protein Unfolding allow use of Commercial Antibodies in an Apolipoprotein M sandwich ELISA.](#)

Bosteen MH, Dahlback B, Nielsen LB, Christoffersen C.

Journal of Lipid Research 2015 Mar; 56(3):754.

Application: S-ELISA, Human, Plasma

Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Osteoarthritis](#)