

Datasheet: 0650-0050

Description:	MOUSE ANTI HUMAN APOLIPOPROTEIN A1
Specificity:	APOLIPOPROTEIN A1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	G2
Isotype:	IgG1
Quantity:	0.5 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			1/40
Immunohistology - Paraffin			▪	
ELISA	▪			1/5000
Western Blotting	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - lyophilised
Reconstitution	Reconstitute with 1.0ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	0.01M Sodium Phosphate 0.01M Sodium Borate 0.15M Sodium Chloride
Preservative Stabilisers	1% Dextran 1% Mannitol
Immunogen	Native Apolipoprotein-A1 from human plasma
External Database	UniProt:

Links

[P02647](#) [Related reagents](#)

Entrez Gene:

[335](#) APOA1 [Related reagents](#)

Specificity

Mouse anti Human Apolipoprotein A1, clone G2 recognizes Apolipoprotein A-1 (also known as Apo-A1), a lipid-binding protein which enables the transport of dietary lipids for storage, metabolism and secretion. Apo-A1 plays an important part in the removal of cholesterol from cells.

Mouse anti Human Apolipoprotein A1, clone G2 reacts with both free human Apo-A1 and High Density Lipoprotein (HDL) bearing Apo-A1, but does not cross-react with ApoE, ApoB or Albumin.

ELISA

This antibody is suitable for coating microtitre plates in a sandwich ELISA using catalogue number [0650-0190](#) for detection.

References

1. Derbali, H. *et al.* (2010) Increased biglycan in aortic valve stenosis leads to the overexpression of phospholipid transfer protein via Toll-like receptor 2. [Am J Pathol. 176: 2638-45.](#)
2. Mogilenko, D.A. *et al.* (2012) Endogenous apolipoprotein A-I stabilizes ATP-binding cassette transporter A1 and modulates Toll-like receptor 4 signaling in human macrophages. [FASEB J. 26: 2019-30.](#)
3. Shavva VS *et al.* (2016) PPAR γ Represses Apolipoprotein A-I Gene but Impedes TNF α -Mediated ApoA-I Downregulation in HepG2 Cells. [J Cell Biochem. : .](#)
4. Pingitore, P. *et al.* (2016) Identification and characterization of two novel mutations in the LPL gene causing Type I hyperlipoproteinemia [Journal of Clinical Lipidology. 10 Mar \[Epub ahead of print\]](#)

Storage

Prior to reconstitution store at +4°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.

Shelf Life

12 months from date of reconstitution.

Health And Safety Information

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10325 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10325.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

- Goat Anti Mouse IgG (STAR76...) [RPE](#)
- Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
- Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@549](#),
[DyLight@649](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)
- Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
- Goat Anti Mouse IgG (STAR77...) [HRP](#)
- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
- Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)

Human Anti Mouse IgG1 (HCA036...) [HRP](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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