

Datasheet: 0650-0050

BATCH NUMBER 163427

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 - lyophilized
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 from ascites
Buffer Solution	0.01M Sodium Phosphate 0.01M Sodium Borate 0.15M Sodium Chloride

Preservative	1% Dextran
Stabilisers	1% Mannitol
Immunogen	Native Apolipoprotein-A1 from human plasma
External Database Links	<p>UniProt: P02647 Related reagents</p> <p>Entrez Gene: 335 APOA1 Related reagents</p>
RRID	AB_620040
Specificity	<p>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.</p> <p>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.</p>
ELISA	This antibody is suitable for coating microtitre plates in a sandwich ELISA using catalogue number 0650-0190 for detection.
References	<ol style="list-style-type: none"> Derbali, H. <i>et al.</i> (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. Mogilenko, D.A. <i>et al.</i> (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. Shavva, V.S. <i>et al.</i> (2016) PPARγ Represses Apolipoprotein A-I Gene but Impedes TNFα-Mediated ApoA-I Downregulation in HepG2 Cells. J Cell Biochem. 117 (9): 2010-22. Pingitore, P. <i>et al.</i> (2016) Identification and characterization of two novel mutations in the LPL gene causing type I hyperlipoproteinemia. J Clin Lipidol. 10 (4): 816-23. Berge, K.E. <i>et al.</i> (2014) Type 1 hyperlipoproteinemia due to a novel deletion of exons 3 and 4 in the GPIHBP1 gene. Atherosclerosis. 234 (1): 30-3. Botta, M. <i>et al.</i> (2019) Deciphering the role of V200A and N291S mutations leading to LPL deficiency. Atherosclerosis. 282: 45-51.
Storage	<p>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.</p>
Guarantee	Guaranteed until date of expiry. Please see product label.

Health And Safety Information Material Safety Datasheet documentation #20482 available at:
<https://www.bio-rad-antibodies.com/SDS/0650-0050>
20482

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC

Recommended Negative Controls

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

North & South America	Tel: +1 800 265 7376 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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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