Datasheet: 0650-0311

BATCH NUMBER 171127

Description:	NATIVE HUMAN APOLIPOPROTEIN A1
Name:	APOLIPOPROTEIN A1
Format:	Purified
Product Type:	Purified Protein
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
ELISA	▪			

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 appropriate negative/positive controls.

Target Species

Human

Product Form

Purified apolipoprotein A-1 from human plasma - lyophilized

Reconstitution

Reconstitute with 1.0 ml 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. For long term storage the addition of 0.09% sodium azide is recommended.

Preparation

Purified human Apo A1 prepared by ultracentrifugation, delipidation and gel filtration

Buffer Solution

0.05 M Sodium chloride, 0.01 M Sodium carbonate

Preservative Stabilisers

None present

External Database Links

UniProt:

P02647 Related reagents

Entrez Gene:

335 APOA1 Related reagents

Product Information	**Native Human apolipoprotein A1** can be used for coating microplates and as a ligand for immunosorbent preparation. Apolipoproteins are lipid-binding proteins which enable the transport of dietary lipids for storage, metabolism and secretion. Apolipoprotein A-1 (also known as Apo-A1) plays an important part in the removal of cholesterol from cells.
Protein Molecular Weight	28 kDa
Purity	>90% by SDS PAGE
References	1. Jankowski, V. *et al.* (2024) WCN24-1954 APO A1 ARE POST-TRANSLATIONAL MODIFIED IN CHRONIC KIDNEY DISEASE Kidney International Reports. 9 (4): S96.
Further Reading	1. Fielding, C.J. (1972) A protein cofactor of lecithin:cholesterol acyltransferase. Biochem. Biophys. Res. Commun. 46: 1493-8. 2. Tall, A.R. & Small, D.M. (1980) Body cholesterol removal: role of plasma high-density lipoproteins. Adv Lipid Res. 17: 1-51.
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 protein.
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10449 available at: https://www.bio-rad-antibodies.com/SDS/0650-0311 10449 Donor material tested and found negative for HBsAg, HIV1, HIV2 and HCV antibodies. As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious
Regulatory	For research purposes only

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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

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