

Datasheet: 0650-0311

**BATCH NUMBER 170154**

<b>Description:</b>	NATIVE HUMAN APOLIPOPROTEIN A1
<b>Name:</b>	APOLIPOPROTEIN A1
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified apolipoprotein A-1 from human plasma - lyophilized
<b>Reconstitution</b>	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.
<b>Preparation</b>	Purified human Apo A1 prepared by ultracentrifugation, delipidation and gel filtration
<b>Buffer Solution</b>	0.05 M Sodium chloride, 0.01 M Sodium carbonate
<b>Preservative Stabilisers</b>	None present
<b>External Database Links</b>	<b>UniProt:</b> <a href="https://www.uniprot.org/uniprot/P02647">P02647</a> <a href="#">Related reagents</a>

**Entrez Gene:**

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

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**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.

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**Protein Molecular Weight** 28 kDa

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**Purity** >90% by SDS PAGE

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**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.](#)

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**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.](#)

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**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.

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**Guarantee** Guaranteed until date of expiry. Please see product label.

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**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

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**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](https://www.bio-rad-antibodies.com/datasheets)

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