

Datasheet: 0650-0180

Description:	SHEEP ANTI HUMAN APOLIPOPROTEIN A1
Specificity:	APOLIPOPROTEIN A1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
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			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/5000 - 1/20000
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	Use sterile DI water
Preparation	Purified IgG prepared by affinity chromatography on immobilized human apolipoprotein A1
Preservative Stabilisers	Contains mannitol, dextran & salts
Immunogen	Purified human apolipoprotein A1
External Database Links	<p>UniProt: P02647 Related reagents</p> <p>Entrez Gene: 335 APOA1 Related reagents</p>

Specificity **Sheep anti Human Apolipoprotein A1 antibody** reacts with human apolipoprotein A1 and does not react with other human plasma proteins. In ELISA the following reactivities are observed:

Human apolipoprotein A1 100%
Human apolipoprotein B <3%
Human albumin <1%

Apolipoprotein A1 is a single polypeptide with a molecular weight of 28 kDa. It is the major protein component of high density lipoprotein particles and functions in preventing the accumulation of cholesterol loaded macrophages which deposit on the arterial wall as foam cells.

ELISA This antibody can be used in a sandwich ELISA with [0650-0050](#) as the capture antibody.

References

1. Thomson, R. *et al.* (2009) Hydrodynamic gene delivery of baboon trypanosome lytic factor eliminates both animal and human-infective African trypanosomes. [Proc Natl Acad Sci U S A. 106: 19509-14.](#)
2. Niimi, M. *et al.* (2016) ApoE knockout rabbits: A novel model for the study of human hyperlipidemia. [Atherosclerosis. 245: 187-93.](#)

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. 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 #10117 available at: <https://www.bio-rad-antibodies.com/uploads/MSDS/10117.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

Donkey Anti Sheep IgG (STAR88...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),
[FITC](#), [HRP](#)

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