

Datasheet: 0650-0190

Description:	SHEEP ANTI HUMAN APOLIPOPROTEIN A1:HRP
Specificity:	APOLIPOPROTEIN A1
Format:	HRP
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.2 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	▪			1/1,000 - 1/5,000
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

Species Cross Reactivity

Reacts with: Rabbit

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid

Preparation

Purified IgG prepared by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

50% Glycerol
0.5% Bovine Serum Albumin

0.01% Thiomersal

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
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Immunogen	Purified human apolipoprotein A1
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External Database Links	UniProt: P02647 Related reagents Entrez Gene: 335 APOA1 Related reagents
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RRID	AB_2056541
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Specificity	<p>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:</p> <p>Human apolipoprotein A1 100% Human apolipoprotein B <3% Human albumin <1%</p> <p>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.</p>
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ELISA	0650-0190 can be used in a sandwich ELISA as a detection antibody together with 0650-0050 as the capture antibody.
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References	<ol style="list-style-type: none">1. Thomson, R. <i>et al.</i> (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. <i>et al.</i> (2016) ApoE knockout rabbits: A novel model for the study of human hyperlipidemia. Atherosclerosis. 245: 187-93.3. Lu, R. <i>et al.</i> (2018) Spontaneous severe hypercholesterolemia and atherosclerosis lesions in rabbits with deficiency of low-density lipoprotein receptor (LDLR) on exon 7. EBioMedicine. Sep 19 [Epub ahead of print].4. Yuan, T. <i>et al.</i> (2019) Generation of hyperlipidemic rabbit models using multiple sgRNAs targeted CRISPR/Cas9 gene editing system. Lipids Health Dis. 18 (1): 69.5. Zhang, T. <i>et al.</i> (2020) Hyperhomocysteinemia and dyslipidemia in point mutation G307S of cystathionine β-synthase-deficient rabbit generated using CRISPR/Cas9. Lipids Health Dis. 19 (1): 224.
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Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at
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-20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10096 available at: 10096: https://www.bio-rad-antibodies.com/uploads/MSDS/10096.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

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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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