

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
Species Cross Reactivity	<p>Reacts with: Rabbit</p> <p>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.</p>
Product Form	Purified IgG - lyophilised
Reconstitution	Use sterile DI water
Preparation	Purified IgG prepared by affinity chromatography on immobilized human apolipoprotein A1
Buffer Solution	0.1M Sodium Chloride 0.01M Sodium Phosphate 0.01M Sodium Borate

Preservative	1% Mannitol
Stabilisers	1% Dextran
Immunogen	Purified human apolipoprotein A1
External Database Links	<p>UniProt: P02647 Related reagents</p> <p>Entrez Gene: 335 APOA1 Related reagents</p>
RRID	AB_770066
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>
ELISA	This antibody can be used in a sandwich ELISA with 0650-0050 as the capture antibody.
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.
Storage	<p>Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored</p>

undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

Guarantee	Guaranteed until date of expiry. Please see product label.
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Health And Safety Information	Material Safety Datasheet documentation #20482 available at: 20482: https://www.bio-rad-antibodies.com/uploads/MSDS/20482.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

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

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [HRP](#)

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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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