

## Datasheet: AHP949

**BATCH NUMBER 160991**

<b>Description:</b>	RABBIT ANTI SHEEP IgA
<b>Specificity:</b>	IgA
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/100 - 1/10,000
Immunoprecipitation			▪	
Western Blotting			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

**Target Species** Sheep

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antisera to ovine IgA were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.09% Sodium Azide

**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

<b>Specificity</b>	<b>Rabbit anti sheep IgA antibody</b> recognizes ovine IgA. This antibody has been shown to react with ovine IgA by immunoelectrophoresis and ELISA. Rabbit anti sheep IgA antibody may cross react with IgA from other species.
<b>References</b>	<ol style="list-style-type: none"> <li>Murphy, L. <i>et al.</i> (2010) Genetic variation among lambs in peripheral IgE activity against the larval stages of <i>Teladorsagia circumcincta</i>. <a href="#">Parasitology. 137: 1249-60.</a></li> <li>Hine, B.C. <i>et al.</i> (2010) Selective transport of IgE into ovine mammary secretions. <a href="#">Res Vet Sci. 89 (2): 184-90.</a></li> <li>Vande Walle, K. <i>et al.</i> (2011) Rectal inoculation of sheep with <i>E. coli</i> O157:H7 results in persistent infection in the absence of a protective immune response. <a href="#">Vet Microbiol. 147 (3-4): 376-82.</a></li> <li>Díaz, A.G. <i>et al.</i> (2016) Spray dried microspheres based on chitosan: A promising new carrier for intranasal administration of polymeric antigen BLSOmp31 for prevention of ovine brucellosis. <a href="#">Mater Sci Eng C Mater Biol Appl. 62: 489-96.</a></li> <li>Díaz, A.G. <i>et al.</i> (2016) Immune response induced by conjunctival immunization with polymeric antigen BLSOmp31 using a thermoresponsive and mucoadhesive in situ gel as vaccine delivery system for prevention of ovine brucellosis. <a href="#">Vet Immunol Immunopathol. 178: 50-6.</a></li> <li>Subharat, S. <i>et al.</i> (2016) Vaccination of Sheep with a Methanogen Protein Provides Insight into Levels of Antibody in Saliva Needed to Target Ruminant Methanogens. <a href="#">PLoS One. 11 (7): e0159861.</a></li> <li>Watt, K.A. <i>et al.</i> (2016) Fecal antibody levels as a noninvasive method for measuring immunity to gastrointestinal nematodes in ecological studies. <a href="#">Ecol Evol. 6 (1): 56-67.</a></li> <li>Sparks, A.M. <i>et al.</i> (2018) Natural Selection on Antihelminth Antibodies in a Wild Mammal Population. <a href="#">Am Nat. 192 (6): 745-60.</a></li> <li>Ramos, A. <i>et al.</i> (2018) Melatonin enhances responsiveness to <i>Dichelobacter nodosus</i> vaccine in sheep and increases peripheral blood CD4 T lymphocytes and IgG-expressing B lymphocytes. <a href="#">Vet Immunol Immunopathol. 206: 1-8.</a></li> <li>Sparks, A.M. <i>et al.</i> (2019) The genetic architecture of helminth-specific immune responses in a wild population of Soay sheep (<i>Ovis aries</i>). <a href="#">PLoS Genet. 15 (11): e1008461.</a></li> <li>Fairlie-Clarke, K. <i>et al.</i> (2019) Salivary IgA: A biomarker for resistance to <i>Teladorsagia circumcincta</i> and a new estimated breeding value. <a href="#">Vet Parasitol. 269: 16-20.</a></li> </ol>
<b>Storage</b>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP949">https://www.bio-rad-antibodies.com/SDS/AHP949</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [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](https://bio-rad-antibodies.com/datasheets)

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