

Datasheet: AHP949

BATCH NUMBER 174046

Description:	RABBIT ANTI SHEEP IgA
Specificity:	IgA
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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

Specificity	Rabbit anti sheep IgA antibody 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.
References	1. Murphy, L. <i>et al.</i> (2010) Genetic variation among lambs in peripheral IgE activity against the larval stages of <i>Teladorsagia circumcincta</i>. Parasitology. 137: 1249-60. 2. Hine, B.C. <i>et al.</i> (2010) Selective transport of IgE into ovine mammary secretions. Res Vet Sci. 89 (2): 184-90. 3. 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. Vet Microbiol. 147 (3-4): 376-82. 4. 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. Mater Sci Eng C Mater Biol Appl. 62: 489-96. 5. 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. Vet Immunol Immunopathol. 178: 50-6. 6. 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 Ruminal Methanogens. PLoS One. 11 (7): e0159861. 7. Watt, K.A. <i>et al.</i> (2016) Fecal antibody levels as a noninvasive method for measuring immunity to gastrointestinal nematodes in ecological studies. Ecol Evol. 6 (1): 56-67. 8. Sparks, A.M. <i>et al.</i> (2018) Natural Selection on Antihelminth Antibodies in a Wild Mammal Population. Am Nat. 192 (6): 745-60. 9. 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. Vet Immunol Immunopathol. 206: 1-8. 10. 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>). PLoS Genet. 15 (11): e1008461. 11. 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. Vet Parasitol. 269: 16-20. 12. Zhang, H. <i>et al.</i> (2026) Effects of recombinant <i>Echinococcus granulosus</i> antigen P29 on hematological indicators in sheep. Front Cell Infect Microbiol. 16: 1831004.
Storage	This product is shipped at ambient temperature. Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP949

Related Products

Recommended Secondary Antibodies

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

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

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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