Datasheet: AHP949P

Description:	RABBIT ANTI SHEEP IgA:HRP
Specificity:	IgA
Format:	HRP
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	▪			1/10,000 - 1/100,000
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 conjugated to Horseradish Peroxidase (HRP) - 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

0.05% ProClin 300
0.2% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml.

RRID	AB_567005.
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. *et al.* (2010) Genetic variation among lambs in peripheral IgE activity against the larval stages of *Teladorsagia circumcincta*. Parasitology. 137: 1249-60. 2. Hine, B.C. *et al.* (2010) Selective transport of IgE into ovine mammary secretions. Res Vet Sci. 89 (2): 184-90. 3. Vande Walle, K. *et al.* (2011) Rectal inoculation of sheep with *E. coli* 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. *et al.* (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. *et al.* (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. *et al.* (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. *et al.* (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. *et al.* (2018) Natural Selection on Antihelminth Antibodies in a Wild Mammal Population. Am Nat. 192 (6): 745-60. 9. Ramos, A. *et al.* (2018) Melatonin enhances responsiveness to Dichelobacter nodosus 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. *et al.* (2019) The genetic architecture of helminth-specific immune responses in a wild population of Soay sheep (*Ovis aries.*). PLoS Genet. 15 (11): e1008461. 11. Fairlie-Clarke, K. *et al.* (2019) Salivary IgA: A biomarker for resistance to Teladorsagia circumcincta and a new estimated breeding value. Vet Parasitol. 269: 16-20.
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.
Acknowledgements	ProClin is a trademark of The Dow Chemical Company (“Dow”) or an affiliated company of Dow.
Health And Safety Information	Material Safety Datasheet documentation #20391 available at: https://www.bio-rad-antibodies.com/SDS/AHP949P

	20391
Regulatory	For research purposes only.

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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