

# Datasheet: AAI23P

## **BATCH NUMBER 153554**

Description:	SHEEP ANTI BOVINE IgG:HRP		
Specificity:	IgG		
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 <a href="www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a>.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen			•	
Immunohistology - Paraffin				
ELISA	•			1/10,000 - 1/100,000
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 the appropriate negative/positive controls.

Target Species	Bovine	
Product Form	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liq	uid
Antiserum Preparation	Antisera to bovine IgG were raised by repeated immunisation antigen. Purified IgG prepared by affinity chromatography.	of sheep with highly purified
Buffer Solution	Phosphate buffered saline	
Preservative Stabilisers	0.05% Proclin™ 300	
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml	
Immunogen	Purified bovine IgG.	

#### **Specificity**

Sheep anti Bovine IgG polyclonal antibody recognizes bovine IgG and shows no cross - reactivity with other bovine immunoglobulin classes in immunoelectrophoresis. This polyclonal antibody has not been cross adsorbed and may therefore react with IgG from other species

Sheep anti Bovine IgG has been usefully employed for the detection of antigen specific antibody reactivity in cattle by ELISA (<u>Vrieling et al. 2013</u>).

#### References

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- 4. Bridger, P.S. *et al.* (2011) Detection of colostrum-derived alloantibodies in calves with bovine neonatal pancytopenia. <u>Vet Immunol Immunopathol. 141: 1-10.</u>
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- 12. Benedictus, L. *et al.* (2016) Pregnancy boosts vaccine-induced Bovine Neonatal Pancytopenia-associated alloantibodies. <u>Vaccine. 34 (8): 1002-5.</u>
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salivary antigens: a promising direct biomarker of exposure to tsetse bites. Vet Parasitol. 197 (1-2): 332-40. 16. Waap, H. et al. (2011) A modified agglutination test for the diagnosis of Besnoitia besnoiti. infection. Vet Parasitol. 178 (3-4): 217-22. 17. Springer, A. et al. (2022) Immunization Trials with Recombinant Major Sperm Protein of the Bovine Lungworm Dictyocaulus viviparus.. Pathogens 2022, 11, 55. 18. Anastácio, C. et al. (2022) Impact of Endemic Besnoitiosis on the Performance of a Dairy Cattle Herd. Animals (Basel). 12 (10): 1291. **Storage** 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™ 300 is a trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow. **Health And Safety** Material Safety Datasheet documentation #20392 available at: Information https://www.bio-rad-antibodies.com/SDS/AAI23P 20392 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)

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Worldwide

Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Europe

Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50

America Fax: +1 919 878 3751

TMB SIGNAL+ (BUF054A)

Email: antibody\_sales\_us@bio-rad.com

Email: antibody\_sales\_uk@bio-rad.com

Email: antibody\_sales\_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M363612:200528'

## Printed on 18 Apr 2024

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