

## Datasheet: AAI22P

**BATCH NUMBER 171002**

<b>Description:</b>	SHEEP ANTI BOVINE IgG2:HRP
<b>Specificity:</b>	IgG2
<b>Format:</b>	HRP
<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
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.

<b>Target Species</b>	Bovine
<b>Product Form</b>	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
<b>Antiserum Preparation</b>	Antisera to bovine IgG2 were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Proclin™ 300
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Purified bovine IgG2.

## Specificity

**Sheep anti Bovine IgG2 polyclonal antibody** recognizes bovine IgG2.

No cross - reactivity with other bovine immunoglobulin classes is seen in immunoelectrophoresis. This product may cross-react with IgG2 from other species.

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## References

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11. Maree, F.F. *et al.* (2015) Intra-serotype SAT2 chimeric foot-and-mouth disease vaccine protects cattle against FMDV challenge. [Vaccine. 33 \(25\): 2909-16.](#)
12. Rybarczyk, J. *et al.* (2015) Effects of lactoferrin treatment on *Escherichia coli* O157:H7 rectal colonization in cattle. [Vet Microbiol. pii: S0378-1135\(15\)30119-X. \[Epub ahead of print\]](#)
13. González-Hernández A *et al.* (2016) Host protective ASP-based vaccine against the parasitic nematode *Ostertagia ostertagi* triggers NK cell activation and mixed IgG1-IgG2 response. [Sci Rep. 6: 29496.](#)
14. Pecora, A. *et al.* (2015) Development of an APC-targeted multivalent E2-based vaccine against Bovine Viral Diarrhea Virus types 1 and 2. [Vaccine. 33 \(39\): 5163-71.](#)
15. Scott, K.A. *et al.* (2017) Evaluation of immune responses of stabilised SAT2 antigens of foot-and-mouth disease in cattle. [Vaccine. Apr 18 \[Epub ahead of print\].](#)

<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>Acknowledgements</b>	Proclin™ 300 is a trademark of The Dow Chemical Company (“Dow”) or an affiliated company of Dow.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10199 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AAI22P">https://www.bio-rad-antibodies.com/SDS/AAI22P</a> 10199
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

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[TMB CORE+ \(BUF062A\)](#)

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