

Datasheet: AAI22

BATCH NUMBER 155029

Description:	SHEEP ANTI BOVINE IgG2
Specificity:	IgG2
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 - 1/10000
Immunoprecipitation			▪	
Western Blotting			▪	
Immunodiffusion	▪			

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 - liquid

Antiserum Preparation Antisera to bovine IgG2 were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide

Approx. Protein IgG concentration 1.0 mg/ml

Concentrations

Immunogen Purified bovine IgG2.

RRID AB_323068

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.

References

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11. 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.](#)
12. Rainard, P. *et al.* (2017) Cellular and humoral immune response to recombinant *Escherichia coli*. OmpA in cows. [PLoS One. 12 \(10\): e0187369.](#)
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rectal colonization in cattle. [Vet Microbiol. 202: 38-46.](#)

15. Sheng, Z.A. *et al.* (2019) Th2-related cytokines are associated with *Fasciola gigantica* infection and evasion in the natural host, swamp buffalo. [Vet Parasitol. 268: 73-80.](#)

16. Bucafusco, D. *et al.* (2019) Immune cells transferred by colostrum do not influence the immune responses to foot-and-mouth disease primary vaccination. [J Dairy Sci. 102 \(9\): 8376-84.](#)

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18. Springer, A. *et al.* (2022) Immunization Trials with Recombinant Major Sperm Protein of the Bovine Lungworm *Dictyocaulus viviparus*. [Pathogens 2022, 11, 55.](#)

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

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/AAI22>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

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Printed on 16 May 2023

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