

Datasheet: MCA2439P

BATCH NUMBER 162177

Description:	MOUSE ANTI BOVINE IgG:HRP
Specificity:	IgG
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	IL-A2
Isotype:	IgG1
Quantity:	0.25 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	▪			1/300 - 1/1000
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	Bovine
Product Form	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein	IgG concentration 1.0 mg/ml

Concentrations

Immunogen Purified bovine IgG

RRID AB_1605075

Fusion Partners Spleen cells from immunized BALB/c mice were fused with cells of the X63.Ag8.653 myeloma cell line.

Specificity **Mouse anti Bovine IgG, clone IL-A2** is specific for bovine Immunoglobulin G (IgG). The specificity of this antibody for bovine IgG1 and IgG2 has been demonstrated by ELISA.

References

1. Naessens, J. *et al.* (1988) Identification of isotypes and allotypes of bovine immunoglobulin M with monoclonal antibodies. [Immunology. 63 \(4\): 569-74.](#)
2. Buza, J. *et al.* (1997) CD5+ B lymphocytes are the main source of antibodies reactive with non-parasite antigens in *Trypanosoma congolense*-infected cattle. [Immunology 92: 226-33.](#)
3. VanDissel, J.T. *et al.* (2005) Bovine antibody-enriched whey to aid in the prevention of a relapse of *Clostridium difficile*-associated diarrhoea: preclinical and preliminary clinical data. [J Med Microbiol. 54 \(Pt 2\): 197-205.](#)
4. Dorneles, E.M. *et al.* (2015) Immune Response of Calves Vaccinated with *Brucella abortus* S19 or RB51 and Revaccinated with RB51. [PLoS One. 10 \(9\): e0136696.](#)
5. Tabynov, K. *et al.* (2016) Prime-booster vaccination of cattle with an influenza viral vector *Brucella abortus* vaccine induces a long-term protective immune response against *Brucella abortus* infection. [Vaccine. 34 \(4\): 438-44.](#)
6. Ryskeldinova, S. *et al.* (2021) Registered Influenza Viral Vector Based *Brucella abortus* Vaccine for Cattle in Kazakhstan: Age-Wise Safety and Efficacy Studies. [Front Cell Infect Microbiol. 11: 669196.](#)
7. Faria, A.R. *et al.* (2020) Immunoproteomics of *Brucella abortus* reveals potential of recombinant antigens for discriminating vaccinated from naturally infected cattle. [Microb Pathog. 147: 104345.](#)
8. Kelly, R.F. *et al.* (2022) Bovine Tuberculosis Antemortem Diagnostic Test Agreement and Disagreement in a Naturally Infected African Cattle Population. [Front Vet Sci. 9: 877534.](#)

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10094 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2439P>
10094

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+ \(BUF054A\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

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

'M396008:220601'

Printed on 22 Jul 2024
