

Datasheet: MCA2439P

BATCH NUMBER 174548

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	0.0095% MIT
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. <i>et al.</i> (1988) Identification of isotypes and allotypes of bovine immunoglobulin M with monoclonal antibodies. Immunology. 63 (4): 569-74. 2. Buza, J. <i>et al.</i> (1997) CD5+ B lymphocytes are the main source of antibodies reactive with non-parasite antigens in <i>Trypanosoma congolense</i>- infected cattle. Immunology 92: 226-33. 3. VanDissel, J.T. <i>et al.</i> (2005) Bovine antibody-enriched whey to aid in the prevention of a relapse of <i>Clostridium difficile</i>-associated diarrhoea: preclinical and preliminary clinical data. J Med Microbiol. 54 (Pt 2): 197-205. 4. Dorneles, E.M. <i>et al.</i> (2015) Immune Response of Calves Vaccinated with <i>Brucella abortus</i> S19 or RB51 and Revaccinated with RB51. PLoS One. 10 (9): e0136696. 5. Tabynov, K. <i>et al.</i> (2016) Prime-booster vaccination of cattle with an influenza viral vector <i>Brucella abortus</i> vaccine induces a long-term protective immune response against <i>Brucella abortus</i> infection. Vaccine. 34 (4): 438-44. 6. Ryskeldinova, S. <i>et al.</i> (2021) Registered Influenza Viral Vector Based <i>Brucella abortus</i> Vaccine for Cattle in Kazakhstan: Age-Wise Safety and Efficacy Studies. Front Cell Infect Microbiol. 11: 669196. 7. Faria, A.R. <i>et al.</i> (2020) Immunoproteomics of <i>Brucella abortus</i> reveals potential of recombinant antigens for discriminating vaccinated from naturally infected cattle. Microb Pathog. 147: 104345. 8. Kelly, R.F. <i>et al.</i> (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 #20479 available at: https://www.bio-rad-antibodies.com/SDS/MCA2439P
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+ \(BUF054A\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M462598:260821'

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