

Datasheet: MCA2439GA

Description:	MOUSE ANTI BOVINE IgG
Specificity:	IgG
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	IL-A2
Isotype:	IgG1
Quantity:	0.1 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	▪			1/2,500 - 1/15,000
Immunoprecipitation	▪			
Western Blotting			▪	

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Bovine
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified bovine IgG
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	<ol style="list-style-type: none"> 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.
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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/MCA2439GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Recommended Useful Reagents

[PURIFIED BOVINE IgG \(PBP002\)](#)

[RABBIT F\(ab'\)₂ ANTI MOUSE IgG:HRP \(Human Adsorbed\) \(STAR13B\)](#)

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

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