

Datasheet: MCA2440GA

BATCH NUMBER 1806

Description:	MOUSE ANTI BOVINE IgG1
Specificity:	IgG1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	IL-A60
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	▪			1/500 - 1/150K
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 Immunoglobulin.
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the X63.Ag.653 myeloma cell line.
Specificity	Mouse anti Bovine IgG1 antibody, clone IL-A60 recognizes bovine IgG1. Mouse anti Bovine IgG1 antibody, clone IL-A60 immunoprecipitates a protein band of 55-59 kDa, consistent with the heavy chain of bovine IgG1 (Campbell et al. 1998).
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul
References	<ol style="list-style-type: none"> 1. Campbell, J.D. <i>et al.</i> (1998) A novel cell surface proliferation-associated marker expressed on T cells and up-regulated on germinal center B cells. J Leukoc Biol. 63 (5): 567-74. 2. Williams, D.J. <i>et al.</i> (1990) Quantitation of bovine immunoglobulin isotypes and allotypes using monoclonal antibodies. Vet Immunol Immunopathol. 24 (3): 267-83. 3. Williams, D.J. <i>et al.</i> (1996) The role of anti-variable surface glycoprotein antibody responses in bovine trypanotolerance. Parasite Immunol. 18 (4): 209-18. 4. Hecker YP <i>et al.</i> (2014) A <i>Neospora caninum</i> vaccine using recombinant proteins fails to prevent foetal infection in pregnant cattle after experimental intravenous challenge. Vet Immunol Immunopathol. 162 (3-4): 142-53. 5. 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. 6. Hecker, Y.P. <i>et al.</i> (2019) Immune response to <i>Neospora caninum</i> live tachyzoites in prepubertal female calves. Parasitol Res. 118 (10): 2945-55.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</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/MCA2440GA 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 (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP

Recommended Negative Controls

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

Recommended Useful Reagents

[MOUSE ANTI BOVINE IgG1:HRP \(MCA2440P\)](#)
[MOUSE ANTI BOVINE IgG2 \(MCA2441GA\)](#)
[MOUSE ANTI BOVINE IgG2:HRP \(MCA2441P\)](#)
[MOUSE ANTI BOVINE IgM \(MCA2443GA\)](#)
[MOUSE ANTI BOVINE IgA \(MCA2438GA\)](#)
[MOUSE ANTI BOVINE IgA:HRP \(MCA2438P\)](#)
[MOUSE ANTI BOVINE IgG \(MCA2439GA\)](#)
[MOUSE ANTI BOVINE IgG:HRP \(MCA2439P\)](#)
[MOUSE ANTI SHEEP IgE \(MCA5941GA\)](#)

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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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