

Datasheet: MCA1902GA

BATCH NUMBER 168394

Description:	MOUSE ANTI HORSE IgGa
Specificity:	IgGa
Other names:	IgG1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	CVS48
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	▪			
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	Horse
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 equine IgGa.
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the mouse X63-Ag8.653 myeloma cell line.
Specificity	<p>Mouse anti Horse IgGa antibody, clone CVS48 recognizes equine IgGa, also known as IgG1 (Lewis et al. 2008) and shows no significant binding to other IgG sub-classes.</p> <p>In addition to Mouse anti Horse IgGa antibody, clone CVS48, we also offer a range of other monoclonal and polyclonal antibodies that are specific to equine immunoglobulins.</p>
ELISA	This product is suitable for use in indirect ELISA applications.
References	<ol style="list-style-type: none"> 1. Sheoran, A. S. <i>et al.</i> (1998) Monoclonal antibodies to subclass-specific antigenic determinants on equine immunoglobulin gamma chains and their characterization. Vet. Immunol. Immunopathol. 62: 153-165. 2. Lewis, M. J. <i>et al.</i> (2008) The different effector function capabilities of the seven equine IgG subclasses have implications for vaccine strategies. Mol. Immunol. 45: 818-827. 3. Lunn, D.P. <i>et al.</i> (1998) Report of the Second Equine Leucocyte Antigen Workshop, Squaw valley, California, July 1995. Vet Immunol Immunopathol. 62: 101-143 4. Cohen, N.D. <i>et al.</i> (2020) Vaccination of yearling horses against poly-N-acetyl glucosamine fails to protect against infection with <i>Streptococcus equi</i> subspecies <i>equi</i>. PLoS One. 15 (10): e0240479. 5. Mizuguchi, Y. <i>et al.</i> (2024) IgG Subtype Response against Virulence-Associated Protein A in Foals Naturally Infected with <i>Rhodococcus equi</i> Veterinary Sciences. 11 (9): 422.
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/MCA1902GA 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 Useful Reagents

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK001P\)](#)
[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK002P\)](#)
[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK003P\)](#)
[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK004P\)](#)
[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK005P\)](#)
[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK006P\)](#)

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

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