

## Datasheet: MCA631GA

**BATCH NUMBER 0313**

<b>Description:</b>	MOUSE ANTI DOG IgA
<b>Specificity:</b>	IgA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	K117 1A8
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/20,000 - 1/300,000
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.

<b>Target Species</b>	Dog
<b>Species Cross Reactivity</b>	<p>Reacts with: Wolf</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Canine IgA myeloma protein
<b>Fusion Partners</b>	Spleen cells from immunized mice were fused with cells of the mouse P3-X63-Ag8.653 myeloma cell line
<b>Specificity</b>	<b>Mouse anti Dog IgA antibody, clone K117 1A8</b> recognizes canine IgA and does not cross react with canine IgG or IgM.
<b>ELISA</b>	This product is suitable for use in direct ELISA applications.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Simpson, K.W. <i>et al.</i> (2009) Influence of Enterococcus faecium SF68 probiotic on giardiasis in dogs. <a href="#">J Vet Intern Med. 23: 476-81.</a></li> <li>2. Peters, I.R. <i>et al.</i> (2004) Measurement of immunoglobulin concentrations in the feces of healthy dogs. <a href="#">Clin Diagn Lab Immunol. 11: 841-8.</a></li> <li>3. Frankowiack, M. <i>et al.</i> (2013) IgA deficiency in wolves. <a href="#">Dev Comp Immunol. pii: S0145-305X(13)00019-0.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA631GA">https://www.bio-rad-antibodies.com/SDS/MCA631GA</a> 10040
<b>Regulatory</b>	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...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>

### **Recommended Useful Reagents**

[MOUSE ANTI DOG IgG2 \(MCA2328GA\)](#)  
[MOUSE ANTI DOG IgE \(MCA1895\)](#)  
[MOUSE ANTI DOG IgE \(MCA1896\)](#)  
[MOUSE ANTI DOG IgE:Biotin \(MCA1896B\)](#)

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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](https://bio-rad-antibodies.com/datasheets)  
'M368736:200529'

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