

Datasheet: MCA631GA

Description:	MOUSE ANTI DOG IgA
Specificity:	IgA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	K117 1A8
Isotype:	IgG2b
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	■			1/20,000 - 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.

Target Species	Dog
Species Cross Reactivity	<p>Reacts with: Wolf</p> <p>N.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>
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G 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	Canine IgA myeloma protein
Fusion Partners	Spleen cells from immunized mice were fused with cells of the mouse P3-X63-Ag8.653 myeloma cell line
Specificity	Mouse anti Dog IgA antibody, clone K117 1A8 recognizes canine IgA and does not cross react with canine IgG or IgM.
ELISA	This product is suitable for use in direct ELISA applications.
References	<ol style="list-style-type: none"> 1. Peters, I.R. <i>et al.</i> (2004) Measurement of immunoglobulin concentrations in the feces of healthy dogs. Clin Diagn Lab Immunol. 11: 841-8. 2. Simpson, K.W. <i>et al.</i> (2009) Influence of Enterococcus faecium SF68 probiotic on giardiasis in dogs. J Vet Intern Med. 23: 476-81. 3. Frankowiack, M. <i>et al.</i> (2013) IgA deficiency in wolves. Dev Comp Immunol. 40 (2): 180-4. 4. Rossi, G. <i>et al.</i> (2020) Effects of the Probiotic Mixture Slab51® (SivoMixx®) as Food Supplement in Healthy Dogs: Evaluation of Fecal Microbiota, Clinical Parameters and Immune Function. Front Vet Sci. 7: 613. 5. Satyaraj, E. <i>et al.</i> (2021) Supplementation of Diets With <i>Spirulina</i> Influences Immune and Gut Function in Dogs. Front Nutr. 8: 667072.
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/MCA631GA 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 IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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
'M382461:210513'

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