

Datasheet: MCA5689

**BATCH NUMBER 167592**

<b>Description:</b>	MOUSE ANTI DUCK IgA1 HEAVY CHAIN
<b>Specificity:</b>	IgA1 HEAVY CHAIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	DuIgA1
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.25 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	▪			1ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			1:100 - 1:1000
Immunofluorescence	▪			
Functional Assays			▪	

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>	Duck
<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>	<0.1% Sodium Azide (NaN <sub>3</sub> )

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Purified duck IgA.
<b>RRID</b>	AB_10672889
<b>Specificity</b>	<p><b>Mouse anti duck IgA1 heavy chain antibody, clone DulgA1</b> recognizes duck IgA1 (Immunoglobulin A1) heavy chain.</p> <p>Mouse anti duck IgA1 heavy chain antibody, clone DulgA1 has been demonstrated to recognize IgA1 in a range of duck species and strains including Mallard ducks, Pekin ducks (<i>Anas platyrhynchos</i>) and Muscovy duck (<i>Cairina moschata</i>). The antibody will also recognize goose IgA1 (<i>Anser sp.</i>).</p>
<b>Histology Positive Control Tissue</b>	Duck spleen
<b>References</b>	<ol style="list-style-type: none"> <li>1. Ferreira HL <i>et al.</i> (2010) Development of specific enzyme-linked immunosorbent assays to evaluate the duck immune response after experimental infection with H5N1 and H7N1 low pathogenic avian influenza viruses. <a href="#">Avian Dis. 54 (1 Suppl): 660-7.</a></li> <li>2. Magor, K.E. (2011) Immunoglobulin genetics and antibody responses to influenza in ducks. <a href="#">Dev Comp Immunol. 35 (9): 1008-16.</a></li> <li>3. Mao, S. <i>et al.</i> (2016) Development and evaluation of indirect ELISAs for the detection of IgG, IgM and IgA1 against duck hepatitis A virus 1. <a href="#">J Virol Methods. 237: 79-85.</a></li> <li>4. Kang, M. <i>et al</i> (2018) Immunogenicity and safety of a live <i>Riemerella anatipestifer</i>. vaccine and the contribution of IgA to protective efficacy in Pekin ducks <a href="#">Vet Microbiol 222: 132-8.</a></li> </ol>
<b>Storage</b>	<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>
<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/MCA5689">https://www.bio-rad-antibodies.com/SDS/MCA5689</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR117...) [FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)  
'M389584:210806'

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