

Datasheet: AAI29

**BATCH NUMBER 150787**

<b>Description:</b>	GOAT ANTI CHICKEN IgG (Fc)
<b>Specificity:</b>	IgG (Fc)
<b>Other names:</b>	IgY
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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	▪			1/100 - 1/10000
Immunoprecipitation			▪	
Western Blotting			▪	
Immunodiffusion	▪			

Where this antibody 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 antibody for use in their own system using the appropriate negative/positive controls.

**Target Species** Chicken

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antisera to chicken IgG were raised by repeated immunisation of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.09% Sodium Azide (NaN<sub>3</sub>)

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Purified chicken IgG (Fc) fragment.
<b>RRID</b>	AB_323047
<b>Specificity</b>	<p><b>Goat anti Chicken IgG (Fc) antibody</b> recognizes the heavy chains of chicken IgG, specifically, epitopes within the Fc region and shows no cross-reactivity with other chicken immunoglobulin classes as assessed by immunoelectrophoresis. This Goat anti Chicken IgG polyclonal antibody does not react with the light chains of chicken IgG.</p> <p>Goat anti chicken IgG (Fc) has been used successfully for the evaluation of circulating levels of IgG in chickens using ELISA in a number of experimental and field situations.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>Norup, L.R. <i>et al.</i> (2009) Influence of chicken serum mannose-binding lectin levels on the immune response towards <i>Escherichia coli</i>. <a href="#">Poult Sci. 88:543-53.</a></li> <li>Duckworth, J.A. <i>et al.</i> (2008) Development of a contraceptive vaccine for the marsupial brushtail possum (<i>Trichosurus vulpecula</i>): lack of effects in mice and chickens immunised with recombinant possum ZP3 protein and a possum ZP3 antifertility epitope <a href="#">Wildlife Research 35, 563–72.</a></li> <li>Pleidrup, J. <i>et al.</i> (2014) <i>Ascaridia galli</i> infection influences the development of both humoral and cell-mediated immunity after Newcastle Disease vaccination in chickens. <a href="#">Vaccine. 32 (3): 383-92.</a></li> <li>Peralta, B. <i>et al.</i> (2009) Evidence of widespread infection of avian hepatitis E virus (avian HEV) in chickens from Spain. <a href="#">Vet Microbiol. 137: 31-6</a></li> <li>Cho Y <i>et al.</i> (2015) Proteomic analysis of outer membrane proteins in <i>Salmonella enterica Enteritidis</i>. <a href="#">J Microbiol Biotechnol. 25 (2): 288-95.</a></li> <li>Ferdushy, T. <i>et al.</i> (2014) Acquisition of resistance after continuous infection with <i>Ascaridia galli</i>. in chickens. <a href="#">Parasitology. : 1-8.</a></li> <li>Radomska KA <i>et al.</i> (2016) Chicken Immune Response after <i>In Ovo</i> Immunization with Chimeric TLR5 Activating Flagellin of <i>Campylobacter jejuni</i>. <a href="#">PLoS One. 11 (10): e0164837.</a></li> <li>Vaezirad, M.M. <i>et al.</i> (2018) Chicken immune response following in ovo delivery of bacterial flagellin. <a href="#">Vaccine. Mar 09 [Epub ahead of print].</a></li> <li>Al-karagoly, H. <i>et al.</i> (2019) Turkey humoral and cell-mediated immune responses to a Newcastle viscerotropic vaccine and its association with major histocompatibility complex. <a href="#">Bulg J Vet Med. 22 (1): 26-40.</a></li> <li>Ranchod, H. <i>et al.</i> (2018) The antigenicity and cholesterol nature of mycolic acids determined by recombinant chicken antibodies. <a href="#">PLoS One. 13 (8): e0200298.</a></li> <li>Naghizadeh, M. <i>et al.</i> (2019) Rapid whole blood assay using flow cytometry for measuring phagocytic activity of chicken leukocytes. <a href="#">Vet Immunol Immunopathol. 207: 53-61.</a></li> <li>Tang, B. <i>et al.</i> (2020) GtxA is a virulence factor that promotes a Th2-like response during <i>Gallibacterium anatis</i>. infection in laying hens. <a href="#">Vet Res. 51 (1): 40.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we</p>

recommend microcentrifugation before use.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AAI2910040">https://www.bio-rad-antibodies.com/SDS/AAI2910040</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

<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)  
'M363627:200528'

**Printed on 12 Sep 2024**