

Datasheet: AA129

BATCH NUMBER 157037

Description:	GOAT ANTI CHICKEN IgG (Fc)
Specificity:	IgG (Fc)
Other names:	IgY
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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	▪			1/100 - 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
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Product Form	Purified IgG - liquid
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Antiserum Preparation	Antisera to chicken IgG were raised by repeated immunisation of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.
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Buffer Solution	Phosphate buffered saline
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Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
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Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified chicken IgG (Fc) fragment.
RRID	AB_323047
Specificity	<p>Goat anti Chicken IgG (Fc) antibody 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>
References	<ol style="list-style-type: none"> 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>. Poult Sci. 88:543-53. 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 Wildlife Research 35, 563–72. 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. Vaccine. 32 (3): 383-92. Peralta, B. <i>et al.</i> (2009) Evidence of widespread infection of avian hepatitis E virus (avian HEV) in chickens from Spain. Vet Microbiol. 137: 31-6 Cho Y <i>et al.</i> (2015) Proteomic analysis of outer membrane proteins in <i>Salmonella enterica Enteritidis</i>. J Microbiol Biotechnol. 25 (2): 288-95. Ferdushy, T. <i>et al.</i> (2014) Acquisition of resistance after continuous infection with <i>Ascaridia galli</i>. in chickens. Parasitology. : 1-8. 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>. PLoS One. 11 (10): e0164837. Vaezirad, M.M. <i>et al.</i> (2018) Chicken immune response following in ovo delivery of bacterial flagellin. Vaccine. Mar 09 [Epub ahead of print]. 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. Bulg J Vet Med. 22 (1): 26-40. Ranchod, H. <i>et al.</i> (2018) The antigenicity and cholesterol nature of mycolic acids determined by recombinant chicken antibodies. PLoS One. 13 (8): e0200298. Naghizadeh, M. <i>et al.</i> (2019) Rapid whole blood assay using flow cytometry for measuring phagocytic activity of chicken leukocytes. Vet Immunol Immunopathol. 207: 53-61. 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. Vet Res. 51 (1): 40.
Storage	<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.

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

Recommended Secondary Antibodies

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

North & South America	Tel: +1 800 265 7376 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
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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://www.bio-rad-antibodies.com/datasheets)
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