

Datasheet: AA129

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
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 ₃)
Approx. Protein	IgG concentration 1.0 mg/ml

Concentrations

Immunogen Purified chicken IgG (Fc) fragment.

RRID AB_323047

Specificity **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.

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.

References

1. Duckworth, J.A. *et al.* (2008) Development of a contraceptive vaccine for the marsupial brushtail possum (*Trichosurus vulpecula*): lack of effects in mice and chickens immunised with recombinant possum ZP3 protein and a possum ZP3 antifertility epitope [Wildlife Research 35, 563–72.](#)
2. Peralta, B. *et al.* (2009) Evidence of widespread infection of avian hepatitis E virus (avian HEV) in chickens from Spain. [Vet Microbiol. 137: 31-6](#)
3. Norup, L.R. *et al.* (2009) Influence of chicken serum mannose-binding lectin levels on the immune response towards *Escherichia coli*. [Poult Sci. 88:543-53.](#)
4. Ferdushy, T. *et al.* (2014) Acquisition of resistance after continuous infection with *Ascaridia galli*. in chickens. [Parasitology. : 1-8.](#)
5. Pleidrup, J. *et al.* (2014) *Ascaridia galli* infection influences the development of both humoral and cell-mediated immunity after Newcastle Disease vaccination in chickens. [Vaccine. 32 \(3\): 383-92.](#)
6. Cho Y *et al.* (2015) Proteomic analysis of outer membrane proteins in *Salmonella enterica Enteritidis*. [J Microbiol Biotechnol. 25 \(2\): 288-95.](#)
7. Radomska KA *et al.* (2016) Chicken Immune Response after *In Ovo* Immunization with Chimeric TLR5 Activating Flagellin of *Campylobacter jejuni*. [PLoS One. 11 \(10\): e0164837.](#)
8. Ranchod, H. *et al.* (2018) The antigenicity and cholesterol nature of mycolic acids determined by recombinant chicken antibodies. [PLoS One. 13 \(8\): e0200298.](#)
9. Vaezirad, M.M. *et al.* (2018) Chicken immune response following in ovo delivery of bacterial flagellin. [Vaccine. 36 \(16\): 2139-46.](#)
10. Naghizadeh, M. *et al.* (2019) Rapid whole blood assay using flow cytometry for measuring phagocytic activity of chicken leukocytes. [Vet Immunol Immunopathol. 207: 53-61.](#)
11. Al-karagoly, H. *et al.* (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.](#)
12. Tang, B. *et al.* (2020) GtxA is a virulence factor that promotes a Th2-like response during *Gallibacterium anatis*. infection in laying hens. [Vet Res. 51 \(1\): 40.](#)

Storage

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we 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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