

Datasheet: AAI29AB

Description:	GOAT ANTI CHICKEN IgG (Fc):Alk. Phos.
Specificity:	IgG (Fc)
Other names:	IgY
Format:	Alk. Phos.
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.5 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
ELISA	■			1/5000 - 1/50000

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 conjugated to Alkaline Phosphatase - 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	50mM HEPES, 0.1M NaCl, 1mM MgCl ₂ , 0.1mM ZnCl ₂
Preservative	0.09% Sodium Azide
Stabilisers	0.2% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Purified chicken IgG (Fc) fragment.

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. 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.](#)
2. 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.](#)
3. 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.](#)
4. 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](#)
5. Cho Y *et al.* (2015) Proteomic analysis of outer membrane proteins in *Salmonella enterica* Enteritidis. [J Microbiol Biotechnol. 25 \(2\): 288-95.](#)
6. 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.](#)
7. Vaezirad, M.M. *et al.* (2018) Chicken immune response following in ovo delivery of bacterial flagellin. [Vaccine. Mar 09 \[Epub ahead of print\].](#)

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.

Shelf Life

12 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10089 available at:
10089: <https://www.bio-rad-antibodies.com/uploads/MSDS/10089.pdf>

Regulatory

For research purposes only

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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