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 Stabilisers	0.09% Sodium Azide 0.2% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Purified chicken IgG (Fc) fragment.
RRID	AB_10863149

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

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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 cholesteroid 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

This product is shipped at ambient temperature.
Store at +4^{o}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

Health And Safety Information	Material Safety Datasheet documentation #10089 available at: https://www.bio-rad-antibodies.com/SDS/AAI29AB 10089
Regulatory	For research purposes only

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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

'M438921:250523'

Printed on 23 May 2025