

Datasheet: AAI28

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|----------------------|-----------------------|
| Description: | GOAT ANTI CHICKEN IgA |
| Specificity: | IgA |
| 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 IgA were raised by repeated immunisation of goat with highly purified antigen. Purified IgG prepared by affinity chromatography. |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.1% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | Purified chicken IgA. |

Specificity **Goat anti Chicken IgA antibody** specifically recognizes chicken immunoglobulin A and shows no cross-reactivity with other chicken immunoglobulin classes in immunoelectrophoresis.

Goat anti Chicken IgA antibody may react with IgA from other species.

References

1. Withanage, G.S. *et al.* (2005) Cytokine and chemokine responses associated with clearance of a primary *Salmonella enterica* serovar *Typhimurium* infection in the chicken and in protective immunity to rechallenge. [Infect Immun. 73 \(8\): 5173-82.](#)
2. Singh, R. (2010) Immunogenicity and protective efficacy of virosome based vaccines against Newcastle disease. [Trop Anim Health Prod. 42: 465-71](#)
3. Wszyńska A *et al.* (2004) Oral immunization of chickens with avirulent *Salmonella* vaccine strain carrying *C. jejuni* 72Dz/92 *cjaA* gene elicits specific humoral immune response associated with protection against challenge with wild-type *Campylobacter*. [Vaccine. 22 \(11-12\): 1379-89.](#)
4. Beal, R.K. *et al.* (2005) A strong antigen-specific T-cell response is associated with age and genetically dependent resistance to avian enteric salmonellosis. [Infect Immun. 73: 7509-16.](#)
5. Buckley, A.M. *et al.* (2010) Evaluation of live-attenuated *Salmonella* vaccines expressing *Campylobacter* antigens for control of *C. jejuni* in poultry. [Vaccine. 28: 1094-105.](#)
6. Bérito Leticia Dal *et al.* (2015) Live and Inactivated *Salmonella enteritidis* Vaccines: Immune Mechanisms in Broiler Breeders [World Journal of Vaccines. 05 \(04\): 155-164.](#)
7. Beal, R.K. *et al.* (2004) Age at primary infection with *Salmonella enterica* serovar *Typhimurium* in the chicken influences persistence of infection and subsequent immunity to re-challenge. [Vet Immunol Immunopathol. 100 \(3-4\): 151-64.](#)
8. Park, S.I. *et al.* (2010) Immune response induced by ppGpp-defective *Salmonella enterica* serovar *Gallinarum* in chickens. [J Microbiol. 48 \(5\): 674-81.](#)
9. Beal RK *et al.* (2004) Temporal dynamics of the cellular, humoral and cytokine responses in chickens during primary and secondary infection with *Salmonella enterica* serovar *Typhimurium*. [Avian Pathol. 33 \(1\): 25-33.](#)
10. Zhang L *et al.* (2008) Enhancement of mucosal immune responses by intranasal co-delivery of Newcastle disease vaccine plus CpG oligonucleotide in SPF chickens *in vivo*. [Res Vet Sci. 85 \(3\): 495-502.](#)
11. Park, E.H. *et al.* (2014) Protective efficacy of a single dose of baculovirus hemagglutinin-based vaccine in chickens and ducks against homologous and heterologous H5N1 virus infections. [Viral Immunol. 27 \(9\): 449-62.](#)
12. Barrow, P.A. *et al.* (2004) Faecal shedding and intestinal colonization of *Salmonella enterica* in in-bred chickens: the effect of host-genetic background. [Epidemiol Infect. 132 \(1\): 117-26.](#)
13. Andersen, J.P. *et al.* (2013) No protection in chickens immunized by the oral or intra-muscular immunization route with *Ascaridia galli* soluble antigen. [Avian Pathol. 42 \(3\): 276-82.](#)
14. Koppad, S. *et al.* (2011) Calcium phosphate coupled Newcastle disease vaccine elicits humoral and cell mediated immune responses in chickens. [Res Vet Sci. 91 \(3\): 384-90.](#)
15. Rezar, V. *et al.* (2007) Dose-dependent effects of T-2 toxin on performance, lipid peroxidation, and genotoxicity in broiler chickens. [Poult Sci. 86 \(6\): 1155-60.](#)
16. Sadeyen JR *et al.* (2014) Analysis of immune responses induced by avian pathogenic *Escherichia coli* infection in turkeys and their association with resistance to homologous re-challenge. [Vet Res. 45: 19.](#)
17. Barman, N. N. *et al.* (2014) Reflection of serum immunoglobulin isotypes in the egg yolk of laying hens immunized with enterotoxigenic *Escherichia coli* [Veterinary World. 7 \(9\): 749-753.](#)
18. Salisbury Anne-Marie *et al.* (2014) *Salmonella* Virchow Infection of the Chicken Elicits Cellular and Humoral Systemic and Mucosal Responses, but Limited Protection to Homologous or Heterologous Re-Challenge [Frontiers in Veterinary Science. 1: 6.](#)
19. Radomska, K.A. *et al.* (2016) Chicken Immune Response after *In Ovo* Immunization with Chimeric TLR5 Activating Flagellin of *Campylobacter jejuni*. [PLoS One. 11 \(10\): e0164837.](#)

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 available at:
Material Safety Datasheet Documentation #10303 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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