

Datasheet: AAI28P

BATCH NUMBER 173784

Description:	GOAT ANTI CHICKEN IgA:HRP
Specificity:	IgA
Format:	HRP
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
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1/10,000 - 1/100,000
Western Blotting			■	

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 Horseradish Peroxidase (HRP) - 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.
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Preservative	0.05% ProClin 300
Stabilisers	0.2% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml.
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Immunogen	Purified chicken IgA.
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Specificity

Goat anti Chicken IgA antibody 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. Wyszyska 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.](#)
2. 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.](#)
3. Beal, R.K. *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.](#)
4. 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.](#)
5. 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.](#)
6. 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.](#)
7. 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.](#)
8. 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.](#)
9. Singh, R. (2010) Immunogenicity and protective efficacy of virosome based vaccines against Newcastle disease. [Trop Anim Health Prod. 42: 465-71](#)
10. 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.](#)
11. Park, S.I. *et al.* (2010) Immune response induced by ppGpp-defective *Salmonella enterica* serovar *Gallinarum* in chickens. [J Microbiol. 48 \(5\): 674-81.](#)
12. 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.](#)
13. Andersen, J.P. *et al.* (2013) No protection in chickens immunized by the oral or intramuscular immunization route with *Ascaridia galli* soluble antigen. [Avian Pathol. 42 \(3\): 276-82.](#)
14. 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.](#)
15. 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 \(9\): 749-53.](#)

16. 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.](#)

17. 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.](#)

18. Béto Leticia Dal *et al.* (2015) Live and Inactivated *Salmonella enteritidis* Vaccines: Immune Mechanisms in Broiler Breeders [World Journal of Vaccines. 05 \(04\): 155-164.](#)

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.](#)

20. Beirão, B.C.B. *et al.* (2018) Effect of an *Enterococcus faecium*. probiotic on specific IgA following live *Salmonella enteritidis*. vaccination of layer chickens. [Avian Pathol. 47 \(3\): 325-33.](#)

21. 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.](#)

22. Bonato, M. *et al.* (2020) Effects of yeast cell wall on immunity, microbiota, and intestinal integrity of *Salmonella*-infected broilers [Journal of Applied Poultry Research. 29 \(3\): 545-58.](#)

23. Śmiałek, M. *et al.* (2021) The influence of maternally derived antibodies on protection against aMPV/A infection in TRT vaccinated turkeys. [Poult Sci. 100 \(5\): 101086.](#)

24. Ekanayake, D. *et al.* (2026) Host specificity and horizontal gene transfer in the MIB-MIP immunoglobulin evasion system in *Mycoplasma gallisepticum*. [Vet Res. 57 \(1\): 145.](#)

Storage	This product is shipped at ambient temperature. 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.
Acknowledgements	ProClin is a trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.
Health And Safety Information	Material Safety Datasheet documentation #20391 available at: https://www.bio-rad-antibodies.com/SDS/AAI28P
Regulatory	For research purposes only.

Related Products

Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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