Datasheet: AAI28F

BATCH NUMBER 158084

Description:	GOAT ANTI CHICKEN IgA:FITC
Specificity:	IgA
Format:	FITC
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	▪			1/200 - 1/2,000
Immunohistology - Paraffin			▪	

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 fraction conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

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

0.09% Sodium Azide
0.2% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

Immunogen	Purified chicken IgA.
RRID	AB_323050
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. Wyszyńska 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 intra-muscular 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

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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.

Storage	Store at +4ºC. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. 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 #10041 available at: https://www.bio-rad-antibodies.com/SDS/AAI28F 10041
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

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