

## Datasheet: AAI28F

<b>Description:</b>	GOAT ANTI CHICKEN IgA:FITC
<b>Specificity:</b>	IgA
<b>Format:</b>	FITC
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Chicken		
<b>Product Form</b>	Purified IgG fraction conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Antiserum Preparation</b>	Antisera to chicken IgA were raised by repeated immunisation of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide		
<b>Stabilisers</b>	0.2% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml		

<b>Immunogen</b>	Purified chicken IgA.
<b>RRID</b>	AB_323050
<b>Specificity</b>	<p><b>Goat anti Chicken IgA antibody</b> recognizes chicken immunoglobulin A and shows no cross-reactivity with other chicken immunoglobulin classes in immunoelectrophoresis.</p> <p>Goat anti Chicken IgA antibody may react with IgA from other species.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Wyszyska A <i>et al.</i> (2004) Oral immunization of chickens with avirulent <i>Salmonella</i> vaccine strain carrying <i>C. jejuni</i> 72Dz/92 cjaA gene elicits specific humoral immune response associated with protection against challenge with wild-type <i>Campylobacter</i>. <a href="#">Vaccine. 22 (11-12): 1379-89.</a></li> <li>2. Beal, R.K. <i>et al.</i> (2004) Age at primary infection with <i>Salmonella enterica</i> serovar <i>Typhimurium</i> in the chicken influences persistence of infection and subsequent immunity to re-challenge. <a href="#">Vet Immunol Immunopathol. 100 (3-4): 151-64.</a></li> <li>3. Beal, R.K. <i>et al.</i> (2004) Temporal dynamics of the cellular, humoral and cytokine responses in chickens during primary and secondary infection with <i>Salmonella enterica</i> serovar <i>Typhimurium</i>. <a href="#">Avian Pathol. 33 (1): 25-33.</a></li> <li>4. Barrow, P.A. <i>et al.</i> (2004) Faecal shedding and intestinal colonization of <i>Salmonella enterica</i> in in-bred chickens: the effect of host-genetic background. <a href="#">Epidemiol Infect. 132 (1): 117-26.</a></li> <li>5. Withanage, G.S. <i>et al.</i> (2005) Cytokine and chemokine responses associated with clearance of a primary <i>Salmonella enterica</i> serovar <i>Typhimurium</i> infection in the chicken and in protective immunity to rechallenge. <a href="#">Infect Immun. 73 (8): 5173-82.</a></li> <li>6. Beal, R.K. <i>et al.</i> (2005) A strong antigen-specific T-cell response is associated with age and genetically dependent resistance to avian enteric salmonellosis. <a href="#">Infect Immun. 73: 7509-16.</a></li> <li>7. Rezar, V. <i>et al.</i> (2007) Dose-dependent effects of T-2 toxin on performance, lipid peroxidation, and genotoxicity in broiler chickens. <a href="#">Poult Sci. 86 (6): 1155-60.</a></li> <li>8. Zhang L <i>et al.</i> (2008) Enhancement of mucosal immune responses by intranasal co-delivery of Newcastle disease vaccine plus CpG oligonucleotide in SPF chickens <i>in vivo</i>. <a href="#">Res Vet Sci. 85 (3): 495-502.</a></li> <li>9. Singh, R. (2010) Immunogenicity and protective efficacy of virosome based vaccines against Newcastle disease. <a href="#">Trop Anim Health Prod. 42: 465-71</a></li> <li>10. Buckley, A.M. <i>et al.</i> (2010) Evaluation of live-attenuated <i>Salmonella</i> vaccines expressing <i>Campylobacter</i> antigens for control of <i>C. jejuni</i> in poultry. <a href="#">Vaccine. 28: 1094-105.</a></li> <li>11. Park, S.I. <i>et al.</i> (2010) Immune response induced by ppGpp-defective <i>Salmonella enterica</i> serovar <i>Gallinarum</i> in chickens. <a href="#">J Microbiol. 48 (5): 674-81.</a></li> <li>12. Koppad, S. <i>et al.</i> (2011) Calcium phosphate coupled Newcastle disease vaccine elicits humoral and cell mediated immune responses in chickens. <a href="#">Res Vet Sci. 91 (3): 384-90.</a></li> <li>13. Andersen, J.P. <i>et al.</i> (2013) No protection in chickens immunized by the oral or intramuscular immunization route with <i>Ascaridia galli</i> soluble antigen. <a href="#">Avian Pathol. 42 (3): 276-82.</a></li> <li>14. Salisbury Anne-Marie <i>et al.</i> (2014) <i>Salmonella</i> Virchow Infection of the Chicken Elicits Cellular and Humoral Systemic and Mucosal Responses, but Limited Protection to Homologous or Heterologous Re-Challenge <a href="#">Frontiers in Veterinary Science. 1: 6.</a></li> </ol>

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**Storage**

Store at +4°C. 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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/AAI28F10041>

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**Regulatory**

For research purposes only

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