

Datasheet: AAI29F

BATCH NUMBER 148582

Description:	GOAT ANTI CHICKEN IgG (Fc):FITC
Specificity:	IgG (Fc)
Other names:	IgY
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	▪			
Immunofluorescence			▪	

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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid						
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	FITC	490	525
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FITC	490	525					

Antiserum Preparation Antisera to chicken IgG were raised by repeated immunisation of goat with highly purified antigen. Purified IgG prepared by affinity chromatography using antigen coupled to agarose.

Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	0.2% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified chicken IgG (Fc) fragment.
RRID	AB_323046
Specificity	<p>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.</p> <p>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.</p>
References	<ol style="list-style-type: none"> Norup, L.R. <i>et al.</i> (2009) Influence of chicken serum mannose-binding lectin levels on the immune response towards <i>Escherichia coli</i>. Poult Sci. 88:543-53. Duckworth, J.A. <i>et al.</i> (2008) Development of a contraceptive vaccine for the marsupial brushtail possum (<i>Trichosurus vulpecula</i>): lack of effects in mice and chickens immunised with recombinant possum ZP3 protein and a possum ZP3 antifertility epitope Wildlife Research 35, 563–72. Pleidrup, J. <i>et al.</i> (2014) <i>Ascaridia galli</i> infection influences the development of both humoral and cell-mediated immunity after Newcastle Disease vaccination in chickens. Vaccine. 32 (3): 383-92. Peralta, B. <i>et al.</i> (2009) Evidence of widespread infection of avian hepatitis E virus (avian HEV) in chickens from Spain. Vet Microbiol. 137: 31-6 Cho Y <i>et al.</i> (2015) Proteomic analysis of outer membrane proteins in <i>Salmonella enterica Enteritidis</i>. J Microbiol Biotechnol. 25 (2): 288-95. Ferdushy, T. <i>et al.</i> (2014) Acquisition of resistance after continuous infection with <i>Ascaridia galli</i>. in chickens. Parasitology. : 1-8. Radomska KA <i>et al.</i> (2016) Chicken Immune Response after <i>In Ovo</i> Immunization with Chimeric TLR5 Activating Flagellin of <i>Campylobacter jejuni</i>. PLoS One. 11 (10): e0164837. Vaezirad, M.M. <i>et al.</i> (2018) Chicken immune response following in ovo delivery of bacterial flagellin. Vaccine. Mar 09 [Epub ahead of print]. Al-karagoly, H. <i>et al.</i> (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. Ranchod, H. <i>et al.</i> (2018) The antigenicity and cholesterol nature of mycolic acids determined by recombinant chicken antibodies. PLoS One. 13 (8): e0200298. Naghizadeh, M. <i>et al.</i> (2019) Rapid whole blood assay using flow cytometry for measuring phagocytic activity of chicken leukocytes. Vet Immunol Immunopathol. 207: 53-61. Tang, B. <i>et al.</i> (2020) GtxA is a virulence factor that promotes a Th2-like response during <i>Gallibacterium anatis</i>. infection in laying hens. Vet Res. 51 (1): 40.
Storage	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be</p>

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/AAI29F>
10041

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