

Datasheet: AAI29F

| | |
|----------------------|---------------------------------|
| 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 |
| Fluorophore | Excitation Max (nm) | Emission Max (nm) | | | | | |
| 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"> 1. 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. 2. 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 3. 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. 4. Ferdushy, T. <i>et al.</i> (2014) Acquisition of resistance after continuous infection with <i>Ascaridia galli</i> in chickens. Parasitology. : 1-8. 5. 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. 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. 7. 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. 8. 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. 9. Vaezirad, M.M. <i>et al.</i> (2018) Chicken immune response following in ovo delivery of bacterial flagellin. Vaccine. 36 (16): 2139-46. 10. 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. 11. 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. 12. 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 protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |

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

Regulatory For research purposes only

| | | | | | |
|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
|----------------------------------|---|------------------|---|---------------|---|

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
'M428061:240301'

Printed on 12 Sep 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)