

Datasheet: AAI27P

**BATCH NUMBER 158083**

<b>Description:</b>	GOAT ANTI CHICKEN IgM:HRP
<b>Specificity:</b>	IgM
<b>Format:</b>	HRP
<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
Immunohistology - Frozen	▪			1/200 - 1/2000
Immunohistology - Paraffin			▪	
ELISA	▪			1/10,000 - 1/100,000
Western Blotting	▪			1/2000 - 1/20,000
Immunocytochemistry	▪			1/200 - 1/2000

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 appropriate negative/positive controls.

### Target Species

Chicken

### Product Form

Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid

### Antiserum Preparation

Antisera to chicken IgM were raised by repeated immunisation of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

### Preservative

0.05% Proclin™ 300

### Stabilisers

0.2% Bovine Serum Albumin

### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

<b>Immunogen</b>	Purified chicken IgM.
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P01875</a> <a href="#">Related reagents</a>
<b>RRID</b>	AB_2275902
<b>Specificity</b>	<p><b>Goat anti Chicken IgM antibody</b> recognizes chicken immunoglobulin M and shows no cross reactivity with other chicken immunoglobulin classes in immunoelectrophoresis.</p> <p>Goat anti chicken IgM antibody may cross react with IgM from other species.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Withanage, G.S. <i>et al.</i> (2001) 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: 5173-82.</a></li> <li>2. 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 (11): 7509-16.</a></li> <li>3. Rautenschlein, S. <i>et al.</i> (2011) Local and systemic immune responses following infection of broiler-type chickens with avian Metapneumovirus subtypes A and B. <a href="#">Vet Immunol Immunopathol. 140(1-2):10-22.</a></li> <li>4. Toscano, M.J. <i>et al.</i> (2010) Sub-clinical infection with <i>Salmonella</i> in chickens differentially affects behaviour and welfare in three inbred strains. <a href="#">Br Poult Sci. 51: 703-13.</a></li> <li>5. Radomska, K.A. <i>et al.</i> (2016) Chicken Immune Response after <i>In Ovo</i> Immunization with Chimeric TLR5 Activating Flagellin of <i>Campylobacter jejuni</i>. <a href="#">PLoS One. 11 (10): e0164837.</a></li> <li>6. Dziejulska, D. <i>et al.</i> (2018) The impact of Aloe vera and licorice extracts on selected mechanisms of humoral and cell-mediated immunity in pigeons experimentally infected with PPMV-1. <a href="#">BMC Vet Res. 14 (1): 148.</a></li> <li>7. Konieczka, P. <i>et al.</i> (2022) Increased arginine, lysine, and methionine levels can improve the performance, gut integrity and immune status of turkeys but the effect is interactive and depends on challenge conditions. <a href="#">Vet Res. 53 (1): 59.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	Proclin™ 300 is a trademark of The Dow Chemical Company (“Dow”) or an affiliated company of Dow.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #20391 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/AAI27P">https://www.bio-rad-antibodies.com/SDS/AAI27P</a>  20391</p>
<b>Regulatory</b>	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+ \(BUF054A\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto: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://bio-rad-antibodies.com/datasheets)

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