

## Datasheet: AAI27F

<b>Description:</b>	GOAT ANTI CHICKEN IgM:FITC
<b>Specificity:</b>	IgM
<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			▪	
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 appropriate negative/positive controls.

Target Species	Chicken		
Product Form	Purified IgG 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 IgM were raised by repeated immunisation of goat with highly purified antigen. Purified IgG prepared by affinity chromatography using antigen coupled to agarose beads.

<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</b>	IgG concentration 1.0 mg/ml

## Concentrations

**Immunogen** Purified chicken IgM.

## External Database Links

### UniProt:

[P01875](#)

[Related reagents](#)

**RRID** AB\_2275903

**Specificity** **Goat anti Chicken IgM antibody** recognizes chicken immunoglobulin M and shows no cross reactivity with other chicken immunoglobulin classes in immunoelectrophoresis.

Goat anti chicken IgM antibody may cross react with IgM from other species.

## References

1. Withanage, G.S. *et al.* (2001) 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: 5173-82.](#)
2. 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 \(11\): 7509-16.](#)
3. Toscano, M.J. *et al.* (2010) Sub-clinical infection with *Salmonella* in chickens differentially affects behaviour and welfare in three inbred strains. [Br Poult Sci. 51: 703-13.](#)
4. Rautenschlein, S. *et al.* (2011) Local and systemic immune responses following infection of broiler-type chickens with avian Metapneumovirus subtypes A and B. [Vet Immunol Immunopathol. 140\(1-2\):10-22.](#)
5. Radomska, K.A. *et al.* (2016) Chicken Immune Response after *In Ovo* Immunization with Chimeric TLR5 Activating Flagellin of *Campylobacter jejuni*. [PLoS One. 11 \(10\): e0164837.](#)
6. Dziwulska, D. *et al.* (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. [BMC Vet Res. 14 \(1\): 148.](#)
7. Konieczka, P. *et al.* (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. [Vet Res. 53 \(1\): 59.](#)

**Storage** This product is shipped at ambient temperature.  
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.

**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/AAI27F>  
10041

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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](https://bio-rad-antibodies.com/datasheets)  
'M438915:250523'

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