

Datasheet: AAI27F

Description:	GOAT ANTI CHICKEN IgM:FITC
Specificity:	IgM
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 mg

Product Details

RRID AB_2275903

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	▪			
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.

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide
Stabilisers 0.2% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Purified chicken IgM.

**External Database
Links**

UniProt:

[P01875](#) [Related reagents](#)

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. 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.](#)
4. 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.](#)
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. Dziejulska, 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.](#)

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.

Shelf Life

12 months from date of despatch.

**Health And Safety
Information**

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

Regulatory

For research purposes only

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