

## Datasheet: AAI31F

<b>Description:</b>	GOAT ANTI DOG IgA:FITC
<b>Specificity:</b>	IgA
<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	▪			1/50 - 1/500
Immunohistology - Paraffin			▪	

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.

<b>Target Species</b>	Dog		
<b>Species Cross Reactivity</b>	Reacts with: Ferret, Wolf Based on sequence similarity, is expected to react with: Mustelid <b>N.B.</b> Antibody reactivity and working conditions may vary between species.		
<b>Product Form</b>	Purified IgG fraction conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525

**Antiserum Preparation** Antisera to canine IgA were raised by repeated immunisation of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.

<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 Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Purified canine IgA.

**Specificity** **Goat anti Dog IgA polyclonal antibody** recognizes canine IgA and shows no cross reactivity with other canine immunoglobulin classes in immunoelectrophoresis or ELISA.

Goat anti Dog IgA may cross react with IgA from other species. Goat anti Dog IgA polyclonal antibody has been shown to cross react with IgA from other canids ([Frankowiack et al. 2013](#)) and with mustelids ([Martel et al. 2009](#)).

---

**References**

1. Benyacoub, J. et al. (2003) Supplementation of food with *Enterococcus faecium* (SF68) stimulates immune functions in young dogs. [J Nutr. 133 \(4\): 1158-62.](#)
2. Peters, I.R. et al. (2004) Measurement of immunoglobulin concentrations in the feces of healthy dogs. [Clin Diagn Lab Immunol. 11 \(5\): 841-8.](#)
3. Martel, C.J. & Aasted, B. (2009) Characterization of antibodies against ferret immunoglobulins, cytokines and CD markers. [Vet Immunol Immunopathol. 132:109-15.](#)
4. Simpson, K.W. et al. (2009) Influence of *Enterococcus faecium* SF68 probiotic on giardiasis in dogs. [J Vet Intern Med. 23: 476-81.](#)
5. Huang, S.S. et al. (2012) Differential Pathological and Immune Responses in Newly Weaned Ferrets Are Associated with a Mild Clinical Outcome of Pandemic 2009 H1N1 Infection. [J Virol. 86: 13187-201.](#)
6. Frankowiack, M. et al. (2013) IgA deficiency in wolves. [Dev Comp Immunol. 40 \(2\): 180-4.](#)
7. Olsson M et al. (2014) The dog as a genetic model for immunoglobulin A (IgA) deficiency: identification of several breeds with low serum IgA concentrations. [Vet Immunol Immunopathol. 160 \(3-4\): 255-9.](#)
8. Frankowiack, M. et al. (2015) IgA deficiency in wolves from Canada and Scandinavia. [Dev Comp Immunol. 50 \(1\): 26-8.](#)
9. Lee, A. et al. (2015) Lack of correlation between mucosal immunoglobulin A-positive plasma cell numbers and TLR5 genotypes in German shepherd dogs with idiopathic chronic enteropathy. [J Comp Pathol. 152 \(2-3\): 201-5.](#)
10. Tengvall, K. et al. (2013) Genome-wide analysis in German shepherd dogs reveals association of a locus on CFA 27 with atopic dermatitis. [PLoS Genet. 9 \(5\): e1003475.](#)

---

**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

---

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

'M314089:180412'

**Printed on 01 May 2018**