

Datasheet: AAI31F

BATCH NUMBER 162602

Description:	GOAT ANTI DOG IgA:FITC
Specificity:	IgA
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	▪			
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.

Target Species

Dog

Species Cross Reactivity

Reacts with: Ferret, Wolf

Based on sequence similarity, is expected to react with: Mustelid

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG fraction 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 canine IgA were raised by repeated immunisation of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide 0.2% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified canine IgA.
RRID	AB_323058
Specificity	<p>Goat anti Dog IgA polyclonal antibody recognizes canine IgA and shows no cross reactivity with other canine immunoglobulin classes in immunoelectrophoresis or ELISA.</p> <p>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).</p>
References	<ol style="list-style-type: none"> 1. Benyacoub, J. et al. (2003) Supplementation of food with <i>Enterococcus faecium</i> (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. Simpson, K.W. et al. (2009) Influence of <i>Enterococcus faecium</i> SF68 probiotic on giardiasis in dogs. J Vet Intern Med. 23: 476-81. 4. Martel, C.J. & Aasted, B. (2009) Characterization of antibodies against ferret immunoglobulins, cytokines and CD markers. Vet Immunol Immunopathol. 132:109-15. 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. 11. Martínez-López, L.M. et al. (2021) Hierarchical modelling of immunoglobulin coated bacteria in dogs with chronic enteropathy shows reduction in coating with disease remission but marked inter-individual and treatment-response variability. PLoS One. 16 (8): e0255012. 12. Sfacteria, A. et al. (2021) Immune Cells and Immunoglobulin Expression in the Mammary Gland Tumors of Dog. Animals (Basel). 11(5):1189.

13. Rossi, G. *et al.* (2020) Effects of the Probiotic Mixture Slab51[®] (SivoMixx[®]) as Food Supplement in Healthy Dogs: Evaluation of Fecal Microbiota, Clinical Parameters and Immune Function. [Front Vet Sci. 7: 613.](#)
14. Satyaraj, E. *et al.* (2021) Supplementation of Diets With *Spirulina* Influences Immune and Gut Function in Dogs. [Front Nutr. 8: 667072.](#)

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.

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/AAI31F10041>

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