

Datasheet: AAI31P

BATCH NUMBER 158448

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|----------------------|-----------------------|
| Description: | GOAT ANTI DOG IgA:HRP |
| Specificity: | IgA |
| Format: | HRP |
| 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 |
|----------------------------|-----|----|----------------|---------------------|
| Immunohistology - Frozen | ▪ | | | 1/200 - 1/500 |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | 1/10,000 - 1/80,000 |
| Western Blotting | | | ▪ | |

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 conjugated to Horseradish Peroxidase (HRP) - liquid

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 0.05% Proclin™ 300
Stabilisers 0.2% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Purified canine IgA.

RRID AB_323057

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

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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.](#)
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8. Frankowiack, M. *et al.* (2015) IgA deficiency in wolves from Canada and Scandinavia. [Dev Comp Immunol. 50 \(1\): 26-8.](#)
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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.](#)

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| Storage | Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use. |
| Guarantee | 12 months from date of despatch |
| Acknowledgements | Proclin™ 300 is a trademark of The Dow Chemical Company (“Dow”) or an affiliated company of Dow. |
| Health And Safety Information | Material Safety Datasheet documentation #20391 available at: https://www.bio-rad-antibodies.com/SDS/AAI31P 20391 |
| Regulatory | For research purposes only |

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[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

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