Datasheet: AAI32P

Description:	SHEEP ANTI DOG IgG:HRP
Specificity:	IgG
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			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/10,000 - 1/100,000
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: Raccoon dog, Sidestriped Jackal, Black-backed Jackal
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 IgG were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.1% Proclin™ 300
0.2% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified canine IgG.
RRID	AB_2103475
Specificity	**Sheep anti Dog IgG polyclonal antibody** recognizes canine IgG and shows no cross reactivity with other canine immunoglobulin classes in immunoelectrophoresis or ELISA. Sheep anti Dog IgG may cross react with IgG from other species. Cross reactivity has been demonstrated with the Raccoon Dog (*Nyctereutes procyonoides*), an early canid species (Sukura *et al.* 2002) .
References	1. Benyacoub, J. *et al*. (2003) Supplementation of food with *Enterococcus faecium* (SF68) stimulates immune functions in young dogs. J. Nutr. 133: 1158-1162. 2. Xu, L. *et al.* (2007) Immune response after neonatal transfer of a human factor IX-expressing retroviral vector in dogs, cats, and mice. Thromb Res. 120: 269-80. 3. Bird, R.C. *et al.* (2011) An autologous dendritic cell canine mammary tumor hybrid-cell fusion vaccine. Cancer Immunol Immunother. 60: 87-97. 4. Miller, A.G. (2012) Antiphospholipid antibodies in dogs with immune mediated hemolytic anemia, spontaneous thrombosis, and hyperadrenocorticism. J Vet Intern Med. 26: 614-23. 5. Rinkardt, N.E. *et al.* (1999) The effects of prednisone and azathioprine on circulating immunoglobulin levels and lymphocyte subpopulations in normal dogs. Can J Vet Res. 63: 18-24. 6. Zhang, J. *et al.* (2004) Neonatal gene transfer with a retroviral vector results in tolerance to human factor IX in mice and dogs. Blood. 103: 143-51. 7. Sukura, A. *et al.* (2002) *Trichinella nativa* and *T. spiralis* induce distinguishable histopathologic and humoral responses in the raccoon dog (*Nyctereutes procyonoides*). Vet Pathol. 39: 257-65. 8. Carli, E. *et al.* (2009) Detection of erythrocyte binding IgM and IgG by flow cytometry in sick dogs with Babesia canis canis or Babesia canis vogeli infection. Vet Parasitol. 162: 51-7. 9. Tan, E. *et al.* (2012) Potentially antigenic RBC membrane proteins in dogs with primary immune-mediated hemolytic anemia. Vet Clin Pathol. 41: 45-55. 10. Wieland, B. *et al.* (2012) Prevalence of perinuclear antineutrophilic cytoplasmic autoantibodies in serum of healthy Soft Coated Wheaten Terriers in the United Kingdom. Am J Vet Res. 73: 404-8. 11. Xu, L. *et al.* (2003) Neonatal or hepatocyte growth factor-potentiated adult gene therapy with a retroviral vector results in therapeutic levels of canine factor IX for hemophilia B. Blood. 101: 3924-32. 12. Spencer, J.A. *et al.* (1999) Presence of antibodies to canine distemper virus, canine parvovirus and canine adenovirus type 1 in free-ranging jackals (Canis adustus and Canis mesomelas) in Zimbabwe. Onderstepoort J Vet Res. 66: 251-3. 13. Shapiro, A.J. *et al.* (2016) Seroprevalence of *Coxiella burnetii* in Australian dogs. Zoonoses Public Health. 63 (6): 458-66.
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 #10198 available at: 10198: https://www.bio-rad-antibodies.com/uploads/MSDS/10198.pdf
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

AbGUARD® HRP STABILIZER PLUS (BUF052A)
AbGUARD® HRP STABILIZER PLUS (BUF052B)
AbGUARD® HRP STABILIZER PLUS (BUF052C)
TMB CORE (BUF056A)
TMB CORE+ (BUF062A)
TMB SIGNAL+ (BUF054A)

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