

Datasheet: AAI32AB

Description:	SHEEP ANTI DOG IgG:Alk. Phos.
Specificity:	IgG
Format:	Alk. Phos.
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.5 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
ELISA	▪			1/1000 - 1/10000

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 Alkaline Phosphatase - 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

50mM HEPES, 0.1M NaCl, 1mM MgCl₂, 0.1mM ZnCl₂

Preservative Stabilisers

0.09% Sodium Azide
0.2% Bovine Serum Albumin

Approx. Protein

IgG concentration 0.5mg/ml

Concentrations

Immunogen Purified canine IgG.

RRID AB_10843305

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

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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.](#)
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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.](#)
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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.](#)
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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.

Health And Safety Information Material Safety Datasheet documentation #10089 available at:
10089: <https://www.bio-rad-antibodies.com/uploads/MSDS/10089.pdf>

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