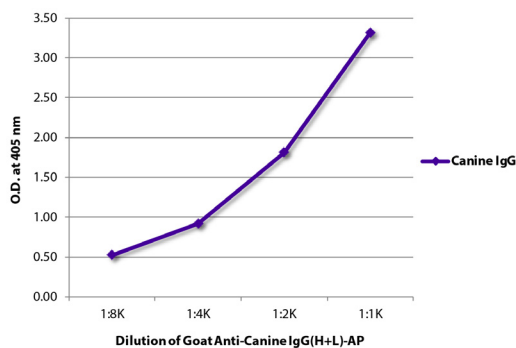




Goat Anti-Canine IgG(H+L)

Cat. No.	Format	Size
6070-01	Purified (UNLB)	1.0 mg
6070-02	Fluorescein (FITC)	1.0 mg
6070-04	Alkaline Phosphatase (AP)	1.0 mL
6070-05	Horseradish Peroxidase (HRP)	1.0 mL
6070-08	Biotin (BIOT)	1.0 mg
6070-30	Alexa Fluor [®] 488 (AF488)	1.0 mg



ELISA plate was coated with purified canine IgG. Immunoglobulin was detected with Goat Anti-Canine IgG(H+L)-AP (SB Cat. No. 6070-04).

Description

Specificity	Reacts with the heavy and light chains of canine IgG
Source	Pooled antisera from goats hyperimmunized with canine IgG
Cross Adsorption	None; may react with immunoglobulins from other species and the light chains of other canine immunoglobulins
Purification	Affinity chromatography on canine IgG covalently linked to agarose

Applications

Quality tested applications include –

ELISA^{1,2}
FLISA

Other referenced applications include –

IHC-FS³
ICC⁴
WB⁵⁻⁸

Working Dilutions

ELISA	AP conjugate	1:2,000 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:20,000

FLISA	FITC and AF488 conjugates	1:200 – 1:400
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Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 1.0 mg purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) and Alexa Fluor® 488 (AF488) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL in a stock solution of 50 mM Tris/1 mM MgCl₂/50% glycerol, pH 8.0, containing NaN₃ as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The biotin (BIOT) conjugate is supplied as 1.0 mg in 2.0 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

1. Kakkis E, Lester T, Yang R, Tanaka C, Anand V, Lemontt J, et al. Successful induction of immune tolerance to enzyme replacement therapy in canine mucopolysaccharidosis I. *Proc Natl Acad Sci USA.* 2004;101:829-34. (ELISA)
2. Dickson P, Peinovich M, McEntee M, Lester T, Le S, Krieger A, et al. Immune tolerance improves the efficacy of enzyme replacement therapy in canine mucopolysaccharidosis I. *J Clin Invest.* 2008;118:2868-76. (ELISA)
3. Wiberg ME, Saari SA, Westermarck E, Meri S. Cellular and humoral immune responses in atrophic lymphocytic pancreatitis in German shepherd dogs and rough-coated collies. *Vet Immunol Immunopathol.* 2000;76:103-15. (IHC-FS)
4. Ulchar I, Celeska I, Stefanovska J, Jakimovska A. Hematological and biochemical parameters in symptomatic and asymptomatic leishmaniaseropositive dogs. *Mac Vet Rev.* 2015;38:i-viii. (ICC)
5. Mathis A, Åkerstedt J, Tharaldsen J, Ødegaard Ø, Deplazes P. Isolates of *Encephalitozoon cuniculi* from farmed blue foxes (*Alopex lagopus*) from Norway differ from isolates from Swiss domestic rabbits (*Oryctolagus cuniculus*). *Parasitol Res.* 1996;82:727-30. (WB)
6. Rasmussen UB, Benchaibi M, Meyer V, Schlesinger Y, Schughart K. Novel human gene transfer vectors: evaluation of wild-type and recombinant animal adenoviruses in human-derived cells. *Hum Gene Ther.* 1999;10:2587-99. (WB)
7. Müller-Doblies UU, Herzog K, Tanner I, Mathis A, Deplazes P. First isolation and characterisation of *Encephalitozoon cuniculi* from a free-ranging rat (*Rattus norvegicus*). *Vet Parasitol.* 2002;107:279-85. (WB)
8. Burk SV. Detection of antibodies against *Parascaris equorum* excretory-secretory antigens [dissertation]. Lexington (USA): University of Kentucky, 2013 (WB)

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