

# Product Datasheet

## Goat anti-Canine IgG1 Heavy Chain Secondary Antibody [HRP] NB7331

Unit Size: 1 ml

Store at 4C. Do not freeze.

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**NB7331****Goat anti-Canine IgG1 Heavy Chain Secondary Antibody [HRP]**

<b>Product Information</b>	
<b>Unit Size</b>	1 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Pro-Clean 400
<b>Isotype</b>	IgG
<b>Conjugate</b>	HRP
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Phosphate Buffered Saline (PBS) containing 0.2%BSA

<b>Product Description</b>	
<b>Host</b>	Goat
<b>Species</b>	Canine
<b>Reactivity Notes</b>	Use in <i>Borrelia burgdorferi</i> reported in scientific publication PMID: 32792093
<b>Specificity/Sensitivity</b>	By immunoelectrophoresis and ELISA this reacts specifically with dog IgG1. This may cross react with IgG1 from other species.
<b>Immunogen</b>	Dog IgG1

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:10000, ELISA, Immunohistochemistry 1:200 - 1:2000, Immunocytochemistry/ Immunofluorescence 1:200 - 1:2000, Immunohistochemistry-Paraffin

**Publications**

Hatke A, Green D, Stasiak K, Marconi R Antibody profiling of a *Borrelia burgdorferi* (Lyme disease) C6 antibody positive, symptomatic Rottweiler and her pups The Veterinary Journal Aug 1 2020 12:00AM [PMID: 32792093] (ELISA, Bacteria)

Details:  
[Borrelia burgdorferi](#)

Moreno J, Vouldoukis I, Martin V et al. Use of a LiESP/QA-21 vaccine (CaniLeish) stimulates an appropriate Th1-dominated cell-mediated immune response in dogs. PLoS Negl Trop Dis. 2012-01-01 [PMID: 22724031]

Details:  
[Citation using the HRP form of this antibody.](#)

Boggiatto PM, Ramer-Tait AE, Metz K et al. Immunologic indicators of clinical progression during canine *Leishmania infantum* infection. Clin Vaccine Immunol. [PMID: 20032217]

Details:  
[Citation using the HRP form of this antibody.](#)



Travi BL, Osorio EY, Saldarriaga OA et al. Clinical, parasitologic, and immunologic evolution in dogs experimentally infected with sand fly-derived *Leishmania chagasi* promastigotes. *Am J Trop Med Hyg* . [PMID: 19996427]

Details:

Citation using the HRP form of this antibody.

Loukas A, Bethony JM, Mendez S et al. Vaccination with recombinant aspartic hemoglobinase reduces parasite load and blood loss after hookworm infection in dogs. *PLoS Medicine*. [PMID: 16231975]

Details:

Citation using the HRP form of this antibody.

Almeida MA, Jesus EE, Sousa-Atta ML et al. Antileishmanial antibody profile in dogs naturally infected with *Leishmania chagasi*. *Vet Immunol Immunopathol*. [PMID: 15911002]

Details:

Citation using the HRP form of this antibody.

Poot J, Rogers ME, Bates PA et al. Detailed analysis of an experimental challenge model for *Leishmania infantum* (JPC strain) in dogs. *Vet Parasitol*. [PMID: 15893068]

Details:

Citation using the HRP form of this antibody.

Lemesre JL, Holzmuller P, Cavaleyra M et al. Protection against experimental visceral leishmaniasis infection in dogs immunized with purified excreted secreted antigens of *Leishmania infantum* promastigotes. *Vaccine*. [PMID: 15780731]

Details:

Citation using the HRP form of this antibody.

Borja-Cabrera GP, Cruz Mendes A, Paraguai de Souza E et al. Effective immunotherapy against canine visceral leishmaniasis with the FML-vaccine. *Vaccine*. [PMID: 15149782]

Details:

Citation using the HRP form of this antibody.

Nakhaee A, Taheri T, Taghikhani M et al. Humoral and cellular immune responses against Type I cysteine proteinase of *Leishmania infantum* are higher in asymptomatic than symptomatic dogs selected from a naturally infected population. *Vet Parasitol*. [PMID: 14746971]

Details:

Citation using the HRP form of this antibody.

de Oliveira Mendes C, Paraguai de Souza E, Borja-Cabrera GP et al. IgG1/IgG2 antibody dichotomy in sera of vaccinated or naturally infected dogs with visceral leishmaniasis. *Vaccine* . [PMID: 12744895]

Details:

Citation using the HRP form of this antibody.

Ramiro MJ, Zarate JJ, Hanke T et al. Protection in dogs against visceral leishmaniasis caused by *Leishmania infantum* is achieved by immunization with a heterologous prime-boost regime using DNA and vaccinia recombinant vectors expressing LACK. *Vaccine*. [PMID: 12744881]

Details:

Citation using the HRP form of this antibody.

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Secondary Antibodies are guaranteed for 1 year from date of receipt.

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