

Product Datasheet

Goat anti-Canine IgE Heavy Chain Secondary Antibody [HRP] NB7346

Unit Size: 1 ml

Store at 4C. Do not freeze.

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NB7346**Goat anti-Canine IgE Heavy Chain Secondary Antibody [HRP]**

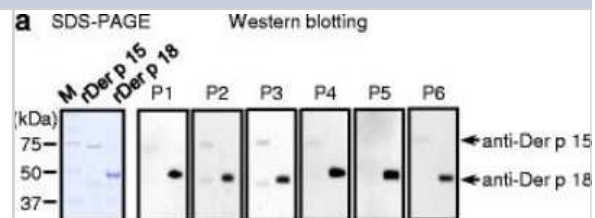
Product Information	
Unit Size	1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.05% Pro-Clean 400
Isotype	IgG
Conjugate	HRP
Purity	Immunogen affinity purified
Buffer	Phosphate Buffered Saline (PBS) containing 0.2%BSA

Product Description	
Host	Goat
Species	Canine
Reactivity Notes	Use in <i>Borrelia burgdorferi</i> reported in scientific publication PMID: 32792093
Specificity/Sensitivity	By immunoelectrophoresis and ELISA this reacts specifically with dog IgE. This may cross react with IgE from other species. There was less than 0.01% reactivity with purified dog IgG1, IgG2, IgA and IgM.
Immunogen	Dog IgE

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:2000 - 1:20000, ELISA 1:10000 - 1:100000, Immunohistochemistry 1:200 - 1:2000, Immunocytochemistry/ Immunofluorescence 1:200 - 1:2000, Immunohistochemistry-Paraffin

Images

Western Blot: Goat anti-Canine IgE Heavy Chain Secondary Antibody [HRP] [NB7346] - D.p. extracts have effects on MCs though the IgE-Fc epsilon RI axis. SDS-PAGE of recombinants (300 ng) and Western blotting (168.8 ng, for rDer p 15; 143.8 ng of rDer p 18 per gel lane) of specific IgE in canine sera. Image collected and cropped by CiteAb from the following publication (<https://waojournal.biomedcentral.com/articles/10.1186/s40413-017-0154-3>), licensed under a CC-BY license.

**Publications**

Elisa Maina, Bert Devriendt, Eric Cox Food allergen-specific sublingual immunotherapy modulates peripheral T cell responses of dogs with adverse food reactions. *Veterinary immunology and immunopathology* 2019-08-08 [PMID: 31213250]

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

Maina E, Pelst M, Hesta M et al. Food-specific sublingual immunotherapy is well tolerated and safe in healthy dogs: a blind, randomized, placebo-controlled study *BMC Vet Res* 2017-01-20 [PMID: 28100257] (ELISA)

Oida K, Einhorn L, Herrmann I et al. Innate function of house dust mite allergens: robust enzymatic degradation of extracellular matrix at elevated pH *World Allergy Organ J* 2017-07-14 [PMID: 28702111]

Maina E, Cox E. A double blind, randomized, placebo controlled trial of the efficacy, quality of life and safety of food allergen-specific sublingual immunotherapy in client owned dogs with adverse food reactions: a small pilot study *Vet. Dermatol.* [PMID: 27426929]

Details:

Citation using the HRP form of this antibody.

Kubota S, Miyaji K, Shimo Y et al. IgE reactivity to a Cry j 3, an allergen of Japanese cedar (*Cryptomeria japonica*) pollen in dogs with canine atopic dermatitis. *Vet Immunol Immunopathol.* [PMID: 22749702]

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.

Iniesta L, Gallego M, Portus M. Immunoglobulin G and E responses in various stages of canine leishmaniosis. *Vet Immunol Immunopathol.* [PMID: 15626463]

Details:

Citation using the HRP form of this antibody.

Moreno M, Benavidez U, Carol H et al. Local and systemic immune responses to *Echinococcus granulosus* in experimentally infected dogs. *Vet Parasitol.* [PMID: 15036575]

Details:

Citation using the HRP form of this antibody.

Klipper E, Sklan D, Friedman A. Maternal antibodies block induction of oral tolerance in newly hatched chicks. *Vaccine.* [PMID: 14670332]

Details:

Citation using the HRP form of this antibody.

Foster AP, Knowles TG, Moore AH et al. Serum IgE and IgG responses to food antigens in normal and atopic dogs, and dogs with gastrointestinal disease. *Vet Immunol Immunopathol.* [PMID: 12730012]

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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