

Datasheet: AHP946

BATCH NUMBER 174684

Description:	GOAT ANTI DOG IgE
Specificity:	IgE
Format:	Purified
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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1/100 - 1/10,000
Immunoprecipitation			■	
Western Blotting	■			1/1000 - 1/30,000

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 appropriate negative/positive controls.

Target Species	Dog
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to canine IgE were raised by repeated immunisations of goats with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Native canine IgE.
RRID	AB_567015
Specificity	Goat anti Dog IgE antibody recognises canine IgE. The antibody has been shown to react specifically with canine IgE by immunoelectrophoresis and ELISA. Less than 0.01% cross reactivity was detected to canine IgG1, IgG2, IgA and IgM. Goat anti Dog IgE may cross react with IgE from other species. Goat anti Dog IgE antibody has been reported for use in immunohistology of frozen canine sections.
References	1. Krachudel, J. <i>et al.</i> (2013) Luteal insufficiency in bitches as a consequence of an autoimmune response against progesterone? Theriogenology. 79: 1278-83 2. Elders, R.C. <i>et al.</i> (2014) Recombinant canine IgE Fc and an IgE Fc-TRAIL fusion protein bind to neoplastic canine mast cells. Vet Immunol Immunopathol. 159: 29-40. 3. Elders, R.C. <i>et al.</i> (2014) Recombinant canine IgE Fc and an IgE Fc-TRAIL fusion protein bind to neoplastic canine mast cells. Vet Immunol Immunopathol. 159 (1-2): 29-40. 4. Bizikova, P. <i>et al.</i> (2014) Serum autoantibody profiles of IgA, IgE and IgM in canine pemphigus foliaceus. Vet Dermatol. 25 (5): 471-e75. 5. Couto N <i>et al.</i> (2016) Identification of vaccine candidate antigens of <i>Staphylococcus pseudintermedius</i> by whole proteome characterization and serological proteomic analyses. J Proteomics. 133: 113-24. 6. Moya, R. <i>et al.</i> (2016) Immunoproteomic characterization of a <i>Dermatophagoides farinae</i> extract used in the treatment of canine atopic dermatitis. Vet Immunol Immunopathol. 180: 1-8. 7. Wysmolek, M.E. <i>et al.</i> (2022) Canine antibody response against <i>Dirofilaria repens</i>. in natural occult and microfilaremic infections Comp Immunol Microbiol Infect Dis. 2 May: 101818 [Epub ahead of print]. 8. Karabowicz, J. <i>et al.</i> (2024) Analysis of the role of <i>Dirofilaria repens</i> macrophage migration inhibitory factors in host-parasite interactions. J Vet Res. 68 (3): 381-8. 9. Sulce, M. <i>et al.</i> (2018) Utility of flow cytometry in canine primary cutaneous and matched nodal mast cell tumor. Vet J. 242: 15-23.
Storage	This product is shipped at ambient temperature. 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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP946
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M439245:250523'

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