

Datasheet: AHP946

**BATCH NUMBER 170082**

<b>Description:</b>	GOAT ANTI DOG IgE
<b>Specificity:</b>	IgE
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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<sub>3</sub>)

### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

<b>Immunogen</b>	Native canine IgE.
<b>RRID</b>	AB_567015
<b>Specificity</b>	<p><b>Goat anti Dog IgE antibody</b> 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.</p> <p>Goat anti Dog IgE antibody has been reported for use in immunohistology of frozen canine sections.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Krachudel, J. <i>et al.</i> (2013) Luteal insufficiency in bitches as a consequence of an autoimmune response against progesterone? <a href="#">Theriogenology. 79: 1278-83</a></li> <li>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. <a href="#">Vet Immunol Immunopathol. 159: 29-40.</a></li> <li>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. <a href="#">Vet Immunol Immunopathol. 159 (1-2): 29-40.</a></li> <li>4. Bizikova, P. <i>et al.</i> (2014) Serum autoantibody profiles of IgA, IgE and IgM in canine pemphigus foliaceus. <a href="#">Vet Dermatol. 25 (5): 471-e75.</a></li> <li>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. <a href="#">J Proteomics. 133: 113-24.</a></li> <li>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. <a href="#">Vet Immunol Immunopathol. 180: 1-8.</a></li> <li>7. Wyszomolek, M.E. <i>et al.</i> (2022) Canine antibody response against <i>Dirofilaria repens</i>. in natural occult and microfilaremic infections <a href="#">Comp Immunol Microbiol Infect Dis. 2 May: 101818 [Epub ahead of print].</a></li> <li>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. <a href="#">J Vet Res. 68 (3): 381-8.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP946">https://www.bio-rad-antibodies.com/SDS/AHP946</a>
<b>Regulatory</b>	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](http://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](http://bio-rad-antibodies.com/datasheets)  
'M428251:240301'

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