

## Datasheet: AHP946

|                      |                     |
|----------------------|---------------------|
| <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.

|                                       |   |
|---------------------------------------|---|
| <b>Target Species</b>                 | Dog   |
| <b>Product Form</b>                   | Purified IgG - liquid   |
| <b>Antiserum Preparation</b>          | Antisera to canine IgE were raised by repeated immunisations of goats with highly purified antigen. Purified IgG prepared by affinity chromatography. |
| <b>Buffer Solution</b>                | Phosphate buffered saline   |
| <b>Preservative Stabilisers</b>       | <0.1% Sodium Azide (NaN <sub>3</sub> )  |
| <b>Approx. Protein Concentrations</b> | 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> </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> | <p>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></p> <p>10040</p>  |
| <b>Regulatory</b>                    | For research purposes only  |

## Related Products

### Recommended Secondary Antibodies

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

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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