

Datasheet: AHP946F

BATCH NUMBER 147877

Description:	GOAT ANTI DOG IgE:FITC
Specificity:	IgE
Format:	FITC
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	▪			1/50 - 1/500
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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 conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

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

0.09% Sodium Azide

Stabilisers

0.2% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Native canine IgE.
RRID	AB_567016
Specificity	<p>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.</p> <p>Goat anti Dog IgE antibody has been reported for use in immunohistology of frozen canine sections.</p>
References	<ol style="list-style-type: none"> 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. Couto N <i>et al.</i> (2016) Identification of vaccine candidate antigens of Staphylococcus pseudintermedius by whole proteome characterization and serological proteomic analyses. J Proteomics. 133: 113-24. 4. 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. 5. Moya, R.<i>et al.</i> (2016) Immunoproteomic characterization of a Dermatophagoides farinae extract used in the treatment of canine atopic dermatitis Vet Immunol and Immunopathol. Aug 4 [Epub ahead of print] 6. 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.
Storage	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/AHP946F</p> <p>10041</p>
Regulatory	For research purposes only

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