Datasheet: MCA1896B

BATCH NUMBER 159139

Description:	MOUSE ANTI DOG IgE:Biotin
Specificity:	IgE
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	E6-71A1
Isotype:	IgG1
Quantity:	0.25 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	▪			
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. 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 Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.05% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Affinity purified IgE preparation from heavily parasitized and allergic dog serum.
RRID	AB_323085
Specificity	**Mouse anti Dog IgE antibody, clone E6-71A1** recognises canine IgE. E6-2A1 does not cross react with dog IgM, IgA, IgG1 or IgG2. Western blot analysis against affinity purified dog IgE using Mouse anti Dog IgE clone E6-71A1 demonstrates a single major band of ~62-65 kDa under reducing conditions.
ELISA	The antibody may be used as a detection antibody in a sandwich ELISA in combination with MCA1895 as the capture antibody.
Western Blotting	Under reducing conditions MCA1896B detects a band of approximately 62-65 kDa in samples of affinity purified dog IgE.
References	1. Ognjenovic, J. *et al.* (2013) Immunoproteomic characterization of *Ambrosia artemisiifolia* pollen allergens in canine atopic dermatitis. Vet Immunol Immunopathol. 155: 38-47. 2. Martins, L.M. *et al.* (2017) Allergy to grass pollen: mapping of *Dactylis glomerata* and *Phleum pratense* allergens for dogs by two-dimensional immunoblotting. Postepy Dermatol Alergol. 34 (1): 60-9.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
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/MCA1896B 10040
Regulatory	For research purposes only

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

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