

## Datasheet: MCA1896B

**BATCH NUMBER 147472**

<b>Description:</b>	MOUSE ANTI DOG IgE:Biotin
<b>Specificity:</b>	IgE
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	E6-71A1
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Dog
<b>Product Form</b>	Purified IgG conjugated to Biotin - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.05% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

<b>Immunogen</b>	Affinity purified IgE preparation from heavily parasitized and allergic dog serum.
<b>RRID</b>	AB_323085
<b>Specificity</b>	<b>Mouse anti Dog IgE antibody, clone E6-71A1</b> 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.
<b>ELISA</b>	The antibody may be used as a detection antibody in a sandwich ELISA in combination with MCA1895 as the capture antibody.
<b>Western Blotting</b>	Under reducing conditions MCA1896B detects a band of approximately 62-65 kDa in samples of affinity purified dog IgE.
<b>References</b>	<p>1. Ognjenovic, J. <i>et al.</i> (2013) Immunoproteomic characterization of <i>Ambrosia artemisiifolia</i> pollen allergens in canine atopic dermatitis. <a href="#">Vet Immunol Immunopathol. 155: 38-47.</a></p> <p>2. Martins, L.M. <i>et al.</i> (2017) Allergy to grass pollen: mapping of <i>Dactylis glomerata</i> and <i>Phleum pratense</i> allergens for dogs by two-dimensional immunoblotting. <a href="#">Postepy Dermatol Alergol. 34 (1): 60-9.</a></p>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. 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/MCA1896B">https://www.bio-rad-antibodies.com/SDS/MCA1896B</a> 10040
<b>Regulatory</b>	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](https://www.bio-rad-antibodies.com/datasheets)  
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Printed on 18 Jan 2024