

Datasheet: MCA1895

BATCH NUMBER 173627

Description:	MOUSE ANTI DOG IgE
Specificity:	IgE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	E6-2A1
Isotype:	IgG2a
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	▪			
Immunoprecipitation			▪	
Western Blotting	▪			

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Dog
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% sodium azide (NaN ₃)
Approx. Protein	IgG concentration 1.0 mg/ml

Concentrations

Immunogen Affinity purified IgE preparation from heavily parasitized and allergic dog serum.

RRID AB_323084

Specificity **Mouse anti Dog IgE antibody, clone E6-2A1** 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 E6-2A1 demonstrates a single major band of ~62-65 kDa under reducing conditions.

ELISA Mouse anti Dog IgE antibody, clone E6-2A1 may be used as a capture antibody in a sandwich ELISA in combination with [MCA1896B](#) as the detection antibody.

References

1. Lin, T.Y. *et al.* (2006a) Generation and characterization of bone marrow-derived cultured canine mast cells. [Vet Immunol Immunopathol. 113 \(1-2\): 37-52.](#)
2. Lin, T.Y. & London, C.A. (2006b) A functional comparison of canine and murine bone marrow derived cultured mast cells. [Vet Immunol Immunopathol. 114 \(3-4\): 320-34.](#)
3. Khantavee, N. *et al.* (2020) Antibody levels to *Malassezia pachydermatis*. and *Staphylococcus pseudintermedius*. in atopic dogs and their relationship with lesion scores. [Vet Dermatol. 31 \(2\): 111-115.](#)
4. Khantavee, N. *et al.* (2021) Immunoglobulin G1 subclass responses can be used to detect specific allergy to the house dust mites *Dermatophagoides farinae*. and *Dermatophagoides pteronyssinus*. in atopic dogs. [BMC Vet Res. 17 \(1\): 71.](#)
5. Mason, K. *et al.* (2023) Immunoglobulin E-specific allergens against leaf in serum of dogs with clinical features of grass leaf allergy. [Vet Dermatol. 34 \(5\): 393-403.](#)

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/MCA1895>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

Product inquiries: 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

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