

Datasheet: MCA1895

BATCH NUMBER 166352

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.* (20061) 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. (20062) 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.](#)

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>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

Goat Anti Mouse IgG (STAR76...)

[RPE](#)

Goat Anti Mouse IgG (H/L) (STAR117...)

[Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR13...)

[HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...)

[FITC](#), [HRP](#)

Recommended Negative Controls

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

North & South Tel: +1 800 265 7376

Worldwide

Tel: +44 (0)1865 852 700

Europe

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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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