

Datasheet: MCA2259

Description:	MOUSE ANTI OVALBUMIN
Specificity:	OVALBUMIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	2C6
Isotype:	IgE
Quantity:	0.1 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	▪			1/1000 - 1/5000
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	Chicken
Product Form	Purified IgE - liquid
Preparation	Purified IgE prepared from tissue culture supernatant.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% sodium azide (NaN ₃)
Approx. Protein Concentrations	IgE concentration 1.0 mg/ml

Immunogen	Ovalbumin.
RRID	AB_2285753
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the mouse myeloma, P3U1.
Specificity	Mouse anti Ovalbumin antibody, clone 2C6 recognises ovalbumin (OVA). The antibody is suitable for use as a mouse IgE standard in ELISA assays (Hamada et al. 2003).
References	<ol style="list-style-type: none"> Suzaki, Y. <i>et al.</i> (2005) A potent antiangiogenic factor, endostatin prevents the development of asthma in a murine model. J Allergy Clin Immunol. 116 (6): 1220-7. Fairley, K.J. <i>et al.</i> (2007) Exposure to the immunosuppressant, perfluorooctanoic acid, enhances the murine IgE and airway hyperreactivity response to ovalbumin. Toxicol Sci. 97 (2): 375-83. Chida, Y. <i>et al.</i> (2007) Early-life psychological stress exacerbates adult mouse asthma via the hypothalamus-pituitary-adrenal axis. Am J Respir Crit Care Med. 175: 316-22. Suzaki, Y. <i>et al.</i> (2007) A small-molecule compound targeting CCR5 and CXCR3 prevents airway hyperresponsiveness and inflammation. Eur Respir J. 31: 783-9. Kambayashi, T. <i>et al.</i> (2008) Indirect involvement of allergen-captured mast cells in antigen presentation. Blood. 111:1489-96. Stevens, T. <i>et al.</i> (2008) Increased transcription of immune and metabolic pathways in naive and allergic mice exposed to diesel exhaust. Toxicol Sci. 102: 359-70. Ellertsen, L.K. <i>et al.</i> (2010) Maternal allergen immunisation to prevent sensitisation in offspring: Th2-polarising adjuvants are more efficient than a Th1-polarising adjuvant in mice. BMC Immunol. 11: 8-17 Paliwal, S. <i>et al.</i> (2010) One-step acquisition of functional biomolecules from tissues. Proc Natl Acad Sci U S A. 107: 14627-32. Cheung DS <i>et al.</i> (2010) Development of atopy by severe paramyxoviral infection in a mouse model. Ann Allergy Asthma Immunol. 105 (6): 437-443.e1. Piro, B. <i>et al.</i> (2011) Towards the detection of human papillomavirus infection by a reagentless electrochemical peptide biosensor Electrochimica Acta. 56 (28): 10688-10693. Hansen, J.S. <i>et al.</i> (2011) Determinants of experimental allergic responses: interactions between allergen dose, sex and age. Scand J Immunol. 73 (6): 554-67. Nygaard, U.C. <i>et al.</i> (2015) Early life exposure to bisphenol A investigated in mouse models of airway allergy, food allergy and oral tolerance. Food Chem Toxicol. 83: 17-25. Andreassen, M. <i>et al.</i> (2015) Cry1Ab protein from <i>Bacillus thuringiensis</i> and MON810 cry1Ab-transgenic maize exerts no adjuvant effect after airway exposure. Scand J Immunol. 81 (3): 192-200. Shershakova N <i>et al.</i> (2015) Allergen-Specific Immunotherapy with Monomeric Allergoid in a Mouse Model of Atopic Dermatitis. PLoS One. 10 (8): e0135070. Diesner, S.C. <i>et al.</i> (2016) A distinct microbiota composition is associated with protection from food allergy in an oral mouse immunization model. Clin Immunol. 173: 10-18. Mothes, B. <i>et al.</i> (2016) p110γ/δ Double-Deficiency Induces Eosinophilia and IgE Production but Protects from OVA-Induced Airway Inflammation. PLoS One. 11 (7): e0159310.

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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/MCA2259>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rat Anti Mouse IgE HEAVY CHAIN (MCA419...)[HRP](#)

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