

Datasheet: 5118-6604

BATCH NUMBER 149710

Description:	RAT ANTI MOUSE IgE
Specificity:	IgE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	LO-ME-2
Isotype:	IgG2a
Quantity:	0.5 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
ELISA	▪			

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 the appropriate negative/positive controls.

Target Species	Mouse
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	1.0 mg/ml
Immunogen	Purified IgE from Balb/c mice.
External Database Links	UniProt:

[P06336](#) [Related reagents](#)

Entrez Gene:

[380792](#) Gm900 [Related reagents](#)

RRID	AB_620449
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Specificity	Rat anti Mouse IgE antibody, clone LO-ME-2 reacts with the epsilon heavy chain of mouse IgE. No cross reactivity is seen with other mouse immunoglobulins, as tested in an ELISA.
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Affinity	2 x 10(e)9 L/mole.
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References	<ol style="list-style-type: none">1. Kikuchi, Y. <i>et al.</i> (2006) Crucial commitment of proteolytic activity of a purified recombinant major house dust mite allergen Der p1 to sensitization toward IgE and IgG responses. J Immunol. 177 (3): 1609-17.2. PeeblesRs, J.r. <i>et al.</i> (2005) Allergen-induced airway hyperresponsiveness mediated by cyclooxygenase inhibition is not dependent on 5-lipoxygenase or IL-5, but is IL-13 dependent. J Immunol. 175 (12): 8253-9.3. Hashimoto, K. <i>et al.</i> (2005) Cyclooxygenase inhibition augments allergic inflammation through CD4-dependent, STAT6-independent mechanisms. J Immunol. 174 (1): 525-32.4. PeeblesRs, J.r. <i>et al.</i> (2000) Cyclooxygenase inhibition increases interleukin 5 and interleukin 13 production and airway hyperresponsiveness in allergic mice. Am J Respir Crit Care Med. 162 (2 Pt 1): 676-81.
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Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/5118-6604 10040
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight@800
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE

Rabbit Anti Rat IgG (STAR21...)

[HRP](#)

Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)[DyLight®550](#), [DyLight®650](#), [DyLight®800](#)

Goat Anti Rat IgG (STAR131...)

[Alk. Phos.](#), [Biotin](#)

North & South Tel: +1 800 265 7376

Worldwide

Tel: +44 (0)1865 852 700

Europe

Tel: +49 (0) 89 8090 95 21

America Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_us@bio-rad.com

Email: antibody_sales_uk@bio-rad.com

Email: antibody_sales_de@bio-rad.com

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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