

Datasheet: MCA6105

Description:	HUMAN ANTI IgE (OMALIZUMAB BIOSIMILAR)
Specificity:	IgE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	huMaE11
Isotype:	IgG1
Quantity:	0.2 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 appropriate negative/positive controls.

Target Species	Human
Product Form	Human IgG1 (kappa) antibody - liquid
Preparation	Purified recombinant IgG prepared by affinity chromatography on Protein A from a mammalian cell line
Source	HEK
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% ProClin 300
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Human IgE protein

Specificity

Human Anti-IgE Antibody, clone huMaE11 is a research grade biosimilar of the monoclonal antibody drug omalizumab. This product is supplied in a research grade format, i.e. in PBS buffer with preservative, it is not manufactured or formulated in the same way as the therapeutic reference product. A preservative free version is available [on request](#).

This product is a recombinant human IgG1 kappa antibody with variable regions from the therapeutic antibody omalizumab.

Human Anti-IgE Antibody is for research use only. It is suitable as a reference standard in a pharmacokinetic (PK) bridging ELISA with anti-omalizumab antibodies, for example [HCA235P](#) and [HCA236](#). It can also be used as capture and detection reagent in an anti-drug antibody (ADA) bridging ELISA, with an anti-omalizumab antibody in IgG1 format as reference standard, for example [HCA235](#).

Omalizumab (Xolair) is a recombinant humanized IgG1 kappa monoclonal antibody used in the treatment of patients with moderate or severe asthma. Allergic asthma is mediated by immunoglobulin E (IgE) released by B cells in response to allergen. Circulating IgE binds to the high-affinity IgE Fc receptor (FcεRI) expressed on basophils and mast cells, triggering the release of histamine, leukotrienes and other mediators associated with the pathophysiology of asthma. Omalizumab is directed against the Fc region of human IgE. By binding to circulating IgE at the site of FcεRI binding, this therapeutic antibody prevents the interaction of IgE with its receptor thus limiting mediator release.

This product is NOT FOR THERAPEUTIC USE.

[View a summary of supporting anti-omalizumab antibody products](#)

Purity	>98% by SDS PAGE
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Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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Guarantee	12 months from date of despatch
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Acknowledgements	ProClin is a trademark of The Dow Chemical Company (“Dow”) or an affiliated company of Dow.
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Health And Safety Information	Material Safety Datasheet documentation #20463 available at: https://www.bio-rad-antibodies.com/SDS/MCA6105 20463
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Licensed Use	For in vitro research purposes only. Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
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Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[HISPEC ASSAY DILUENT \(BUF049A\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

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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