

Datasheet: MCA6106

Description:	HUMAN ANTI IL6R (TOCILIZUMAB BIOSIMILAR)
Specificity:	IL6R
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rhPM-1
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	Mouse AUK 12-20 antibody CDRs grafted onto human framework

Specificity

Human Anti-IL6R Antibody, clone rhPM-1 is a research grade biosimilar of the monoclonal antibody drug tocilizumab. It is a recombinant human IgG1 kappa antibody with variable regions from the therapeutic antibody tocilizumab. 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](#).

Human Anti-IL6R Antibody is for research use only. It is suitable as a reference standard in a pharmacokinetic (PK) bridging ELISA with anti-tocilizumab antibodies, for example [HCA252](#) and [HCA253P](#). It can also be used as capture and detection reagent in an anti-drug antibody (ADA) bridging ELISA, with an anti-tocilizumab antibody in IgG1 format as reference standard, for example [HCA253](#).

Tocilizumab (Actemra/RoActemra) is a humanized IgG1/kappa monoclonal antibody approved for the treatment of moderate to severe rheumatoid arthritis and for the treatment of systemic juvenile idiopathic arthritis. The therapeutic antibody is directed against IL-6R and acts by blocking the binding of IL-6R (both the soluble form, sIL-6R, and the membrane bound form, mIL-6R) to IL-6, thus impeding the pro-inflammatory properties of this cytokine.

This product is NOT FOR THERAPEUTIC USE.

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

Purity

>98% by SDS PAGE

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

Acknowledgements

ProClin is a trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.

Health And Safety Information

Material Safety Datasheet documentation #20463 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6106>
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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.

Related Products

Recommended Useful Reagents

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

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK002P\)](#)

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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