

Datasheet: HCA399

**BATCH NUMBER 166854**

<b>Description:</b>	HUMAN ANTI OCRELIZUMAB
<b>Specificity:</b>	OCRELIZUMAB
<b>Other names:</b>	Ocrevus
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD47395ia
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Product Form</b>	Human IgG1 antibody (lambda light chain) selected from Bio-Rad's human antibody phage display libraries. This antibody is supplied as a liquid.
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Source</b>	HKB-11
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	Antibody concentration 0.5 mg/ml
<b>Immunogen</b>	Ocrelizumab

**Specificity** **Human Anti-Ocrelizumab Antibody, clone AbD47395ia** is a paratope specific, inhibitory, anti-idiotypic antibody (Type 1) that specifically recognizes the free human monoclonal antibody drug ocrelizumab, and its biosimilar products. It does not recognize the drug target, the B cell surface marker CD20, nor ocrelizumab in complex with CD20. This antibody can be used to measure free ocrelizumab levels in serum from patients.

Clone AbD47395ia (HCA399) is a fully human recombinant monoclonal antibody with IgG1 isotype and is suitable as a surrogate positive control or calibrator in an anti-drug antibody (ADA) assay. This antibody has a monovalent intrinsic affinity of 25.6nM and is one of the three antibodies offered for ADA assays. Antibody [HCA400](#) has an affinity of <0.001nM and [HCA401](#) has an affinity of 0.7nM.

Ocrelizumab (trade name Ocrevus) is a humanized monoclonal antibody of the IgG1/kappa isotype developed from the monoclonal antibody drug rituximab. Ocrelizumab targets the B cell surface marker CD20. Binding of the drug to its target triggers cell death through a number of mechanisms, including apoptosis, complement activation and cell-mediated cytotoxicity. In vivo, ocrelizumab selectively and effectively depletes CD20 expressing B cells, hence acting as an immunosuppressive drug.

Ocrelizumab is used in the treatment of primary progressive multiple sclerosis and relapsing forms of multiple sclerosis in adults.

[View a summary of all anti-ocrelizumab antibodies.](#)

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<b>Affinity</b>	The monovalent intrinsic affinity of Human anti-Ocrelizumab Antibody, clone AbD47395ia was measured as $K_D = 25.6$ nM by real time, label-free molecular interaction analysis on immobilized ocrelizumab.
<b>ELISA</b>	This product may be used to develop and calibrate immune response assays to measure the anti-drug antibody (ADA) response in patient sera together with <a href="#">HCA400</a> and <a href="#">HCA401</a> .
<b>Storage</b>	This product is shipped refrigerated. When ready to use, thaw and aliquot the sample as needed. Store aliquots at -70°C, if available, otherwise store at -20°C. It is not recommended to keep aliquots at 4°C for more than one week.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See <a href="http://bio-rad.com/en-us/trademarks">bio-rad.com/en-us/trademarks</a> for details. Ocrevus is a registered trademark of Genentech/ Roche and Biogen. Rituxan is a registered trademark of Genentech and Biogen.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/HCA399">https://www.bio-rad-antibodies.com/SDS/HCA399</a> 10040
<b>Licensed Use</b>	For <i>in vitro</i> . research purposes and for commercial applications for the provision of in vitro

testing services to support preclinical and clinical drug development. Any re-sale in any form or any other commercial application needs a written agreement with Bio-Rad.

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**Regulatory** For research purposes only

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**Technical Advice** Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#).

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## Related Products

### Recommended Useful Reagents

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

[HUMAN ANTI OCRELIZUMAB \(HCA400\)](#)

[HUMAN ANTI OCRELIZUMAB \(HCA401\)](#)

[HUMAN ANTI OCRELIZUMAB \(TZA044\)](#)

[HUMAN ANTI OCRELIZUMAB \(TZA045\)](#)

[HUMAN ANTI OCRELIZUMAB:HRP \(TZA045P\)](#)

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

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