

## Datasheet: HCA201

**BATCH NUMBER 1704**

<b>Description:</b>	HUMAN ANTI RITUXIMAB
<b>Specificity:</b>	RITUXIMAB
<b>Other names:</b>	MabThera®, Rituxan®
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD18423_hIgG1
<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 selected from the HuCAL® phage display library and expressed in a human cell line. This antibody is supplied as a liquid.
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.01% Thiomersal
<b>Approx. Protein Concentrations</b>	Total protein concentration 0.5 mg/ml.
<b>Immunogen</b>	Rituximab
<b>Specificity</b>	Rituximab is a therapeutic reagent directed against the human CD20 cell surface antigen.

Clone AbD18423\_hlgG1 is an anti-idiotypic antibody that specifically recognises the rituximab humanised monoclonal antibody. This fully human antibody can be used to develop and calibrate immune response assays to measure the anti-drug antibody (ADA) response in patient sera

<b>Affinity</b>	The monovalent intrinsic affinity of this antibody was measured as $KD=0.13$ nM by real time, label-free molecular interaction analysis on immobilized rituximab.
<b>ELISA</b>	<p>This product may be used in a direct ELISA or as a detection reagent, when conjugated to HRP in a sandwich ELISA .</p> <p>Protocol: <a href="#">PK bridging ELISA to measure free drug</a></p> <p>This antibody is fully human and can be used as a reference standard in an ADA assay.</p> <p>Protocol: <a href="#">ADA bridging ELISA</a></p>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10094 available at: <a href="https://www.bio-rad-antibodies.com/SDS/HCA20110094">https://www.bio-rad-antibodies.com/SDS/HCA20110094</a>
<b>Licensed Use</b>	For in vitro 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.
<b>Regulatory</b>	For research purposes only
<b>Technical Advice</b>	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the <a href="#">HuCAL Antibodies Technical Manual</a>

## Related Products

### Recommended Negative Controls

[RECOMBINANT HUMAN IgG1 LAMBDA ALLOTYPIC G1m3 \(HCA049\)](#)

### Recommended Useful Reagents

[RAT ANTI RITUXIMAB \(MCA2260\)](#)

[HUMAN ANTI RITUXIMAB \(HCA061\)](#)

[HUMAN ANTI RITUXIMAB \(HCA062\)](#)

[RAT ANTI RITUXIMAB:FITC \(MCA2260F\)](#)

[HUMAN ANTI RITUXIMAB \(HCA186\)](#)

[RAT ANTI RITUXIMAB:HRP \(MCA2260P\)](#)

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