

Datasheet: HCA203

**BATCH NUMBER 165768**

<b>Description:</b>	HUMAN ANTI ADALIMUMAB
<b>Specificity:</b>	ADALIMUMAB
<b>Other names:</b>	HUMIRA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD18654_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 from tissue culture supernatant.
<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>	Adalimumab
<b>Specificity</b>	<p><b>Human Anti-Adalimumab Antibody, clone AbD18654_hlgG1</b>, is a high affinity anti-idiotypic antibody that specifically recognizes the adalimumab monoclonal antibody and inhibits the binding of adalimumab to its target, TNF<math>\alpha</math>. The antibody can be used to measure the levels of adalimumab and biosimilar products in bioanalytical assays.</p> <p>Clone AbD18654_hlgG1 can be used to develop and calibrate immune response assays to measure the anti-drug antibody (ADA) response in patient serum.</p> <p>Adalimumab (branded as Humira) is a fully human monoclonal antibody (IgG1/kappa) approved for the treatment of ankylosing spondylitis, Crohn's disease, psoriasis and several forms of arthritis. The antibody is specific for TNF<math>\alpha</math>, and acts by blocking the activation of TNF receptors by TNF<math>\alpha</math>. This inactivation down-regulates the inflammatory reactions associated with autoimmune diseases.</p> <p><a href="#">View a summary of all Anti-Adalimumab Antibodies.</a></p>
<b>Affinity</b>	The intrinsic affinity of the monovalent form of this antibody is $K_D=0.15$ nM as measured by real time, label-free molecular interaction analysis on immobilized Adalimumab.
<b>ELISA</b>	<p>This product may be used in an indirect ELISA or, when conjugated to HRP, as a detection reagent in a bridging ELISA together with <a href="#">HCA202</a> as the capture reagent. 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. Protocol: <a href="#">ADA bridging ELISA</a>.</p>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	<p>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.</p> <p>Humira is a trademark of Abbott Laboratories.</p>
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/HCA203">https://www.bio-rad-antibodies.com/SDS/HCA203</a></p> <p>10040</p>
<b>Licensed Use</b>	For <i>in vitro</i> research purposes and for commercial applications for the provision of <i>in vitro</i> 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.

**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 \(BUF049A\)](#)

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

[MOUSE ANTI HUMAN IgG \(Fc\) CH2 DOMAIN:HRP \(MCA647P\)](#)

[RECOMBINANT HUMAN TNF ALPHA \(PHP051\)](#)

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