

## Datasheet: HCA205

<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>	AbD18664_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.

### Product Form

Human IgG1 antibody (kappa light chain) selected from the HuCAL® phage display library and expressed in a human cell line. This antibody is supplied as a liquid.

### Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

### Buffer Solution

Phosphate buffered saline.

### Preservative Stabilisers

0.01% Thiomersal

### Approx. Protein Concentrations

Antibody concentration 0.5 mg/ml.

### Immunogen

Adalimumab

### Specificity

**Human anti Adalimumab, clone AbD18664\_hIgG1**, is an anti-idiotypic antibody that specifically recognizes the adalimumab monoclonal antibody and inhibits the binding of adalimumab to its target, TNF $\alpha$ . Clone AbD18664\_hIgG1 can be used to measure the levels of adalimumab and biosimilar products using bioanalytical assays.

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 $\alpha$ , and acts by blocking the activation of TNF receptors by TNF $\alpha$ .

This inactivation down-regulates the inflammatory reactions associated with autoimmune diseases.

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

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<b>Affinity</b>	The monovalent intrinsic affinity of this antibody was measured as $K_D=10.5$ nM by real time, label-free molecular interaction analysis on immobilized adalimumab.
<b>ELISA</b>	This product may be used in an indirect ELISA or as a reference standard in immune response assays. Protocol: <a href="#">ADA bridging ELISA</a>
<b>Storage</b>	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.
<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. Humira® is a registered trademark of Abbott Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10094 available at: 10094: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf</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>

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## Related Products

### Recommended Useful Reagents

[RECOMBINANT HUMAN TNF ALPHA \(PHP051\)](#)  
[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK002P\)](#)  
[HUMAN ANTI ADALIMUMAB \(HCA202\)](#)  
[HUMAN ANTI ADALIMUMAB \(HCA203\)](#)  
[HUMAN ANTI ADALIMUMAB \(HCA204\)](#)  
[HUMAN ANTI ADALIMUMAB:HRP \(HCA204P\)](#)  
[HUMAN ANTI ADALIMUMAB \(DRUG/TARGET COMPLEX\) \(HCA207\)](#)  
[HISPEC ASSAY DILUENT \(BUF049A\)](#)  
[MOUSE ANTI HUMAN IgG \(Fc\) CH2 DOMAIN:HRP \(MCA647P\)](#)

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