Datasheet: HCA205

**Description:** HUMAN ANTI ADALIMUMAB

**Specificity:** ADALIMUMAB

**Other names:** HUMIRA®

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** AbD18664_hIgG1

**Isotype:** IgG1

**Quantity:** 0.1 mg

### 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).

<table>
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<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>ELISA</td>
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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, TNFα. 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 TNFα, and acts by blocking the activation of
TNF receptors by TNFα. This inactivation down-regulates the inflammatory reactions associated with autoimmune diseases.

View a summary of all anti-adalimumab antibodies.

**Affinity**
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.

**ELISA**
This product may be used in an indirect ELISA or as a reference standard in immune response assays.
Protocol: [ADA bridging ELISA](#)

**Storage**
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.

**Shelf Life**
12 months from date of despatch.

**Acknowledgements**
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.

**Health And Safety Information**

**Licensed Use**
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.

**Regulatory**
For research purposes only

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

### Related Products

**Recommended Useful Reagents**

- RECOMBINANT HUMAN TNF ALPHA (PHP051)
- LYNX RAPID HRP ANTIBODY CONJUGATION KIT (LNK002P)
- HUMAN ANTI ADALIMUMAB (HCA202)
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- 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)
- RECOMBINANT HUMAN TNF ALPHA (PHP051)
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North & South America
Tel: +1 800 265 7376
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

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