

Datasheet: HCA205

Description:	HUMAN ANTI ADALIMUMAB
Specificity:	ADALIMUMAB
Other names:	HUMIRA®
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD18664_hlgG1
Isotype:	IgG1
Quantity:	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.

	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_hlgG1, is an anti-idiotypic antibody that

specifically recognizes the adalimumab monoclonal antibody and inhibits the binding of adalimumab to its target, TNF α . 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 α , and acts by blocking the activation of TNF receptors by TNF α . 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 is $K_D=10.5$ nM as measured 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	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. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch.
Acknowledgements	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 bio-rad.com/en-us/trademarks for details. Humira is a trademark of Abbott Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10094 available at: 10094: https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf
Licensed Use	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.
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 \(HCA202\)](#)
[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 \(MCA647P\)](#)

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
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M406476:220926'

Printed on 26 Sep 2022

© 2022 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)