

Datasheet: HCA203G

BATCH NUMBER 154014

Description:	HUMAN ANTI ADALIMUMAB
Specificity:	ADALIMUMAB
Other names:	HUMIRA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD18654_hIgG1
Isotype:	IgG1
Quantity:	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 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 1.0 mg/ml
Immunogen	Adalimumab

Specificity

Human Anti-Adalimumab Antibody, clone AbD18654_hlgG1, is a high affinity anti-idiotypic antibody that specifically recognizes the adalimumab monoclonal antibody and inhibits the binding of adalimumab to its target, TNF α . The antibody can be used to measure the levels of adalimumab and biosimilar products in bioanalytical assays.

Clone AbD18654_hlgG1 can be used to develop and calibrate immune response assays to measure the anti-drug antibody (ADA) response in patient serum.

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 was measured as $K_D=0.15$ nM by real time, label-free molecular interaction analysis on immobilized Adalimumab.

ELISA

This product may be used in an indirect ELISA or, when conjugated to HRP, as a detection reagent in a bridging ELISA together with [HCA202](#) as the capture reagent. Protocol: [PK bridging ELISA to measure free drug](#)
This antibody is fully human and can be used as a reference standard in an ADA assay. 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.

Guarantee

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

Material Safety Datasheet documentation #10094 available at: <https://www.bio-rad-antibodies.com/SDS/HCA203G>

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

[HISPEC ASSAY DILUENT \(BUF049A\)](#)

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

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

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

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

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