

Datasheet: HCA204G

BATCH NUMBER 150221

Description:	HUMAN ANTI ADALIMUMAB
Specificity:	ADALIMUMAB
Other names:	HUMIRA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD18655_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 (lambda 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 1.0 mg/ml
Immunogen	Adalimumab

Specificity **Human Anti-Adalimumab, clone AbD18655_hlgG1**, is an ultra-high affinity anti-idiotypic antibody that specifically recognizes adalimumab monoclonal antibody and inhibits the binding of adalimumab to its target, TNF α . Clone AbD18655_hlgG1 can be used to measure the levels of adalimumab and biosimilar products using bioanalytical assays. It may also 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 $K_D=0.06$ 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, 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](#)

References 1. Harth, S. *et al.* (2019) Generation by phage display and characterization of drug-target complex-specific antibodies for pharmacokinetic analysis of biotherapeutics. [MAbs. 11 \(1\): 178-190.](#)

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/HCA204G10094>

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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 \(PHP051\)](#)
[HISPEC ASSAY DILUENT \(BUF049A\)](#)
[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK002P\)](#)
[MOUSE ANTI HUMAN IgG \(Fc\) CH2 DOMAIN:HRP \(MCA647P\)](#)
[HUMAN ANTI ADALIMUMAB \(HCA202\)](#)
[HUMAN ANTI ADALIMUMAB \(HCA203\)](#)
[HUMAN ANTI ADALIMUMAB \(HCA205\)](#)
[HUMAN ANTI ADALIMUMAB \(DRUG/TARGET COMPLEX\) \(HCA207\)](#)

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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M371620:200612'

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