

Datasheet: HCA204P

Description:	HUMAN ANTI ADALIMUMAB:HRP
Specificity:	ADALIMUMAB
Other names:	HUMIRA
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	AbD18655_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 (lambda light chain) selected from the HuCAL® phage display library and expressed in a human cell line. Conjugated to horseradish peroxidase (HRP) - liquid.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	Total protein 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_hIgG1 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 in an unconjugated format 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 as a detection reagent in a sandwich ELISA together with HCA202 as the capture reagent. Protocol: PK bridging ELISA to measure free drug
References	1. Harth, S. <i>et al.</i> (2019) Generation by phage display and characterization of drug-target complex-specific antibodies for pharmacokinetic analysis of biotherapeutics. MAbs. 11 (1): 178-190.
Storage	This product is shipped frozen. When ready to use, thaw and aliquot the sample as needed. Store aliquots at -70°C, if available, otherwise store at -20°C. It is not recommended to keep aliquots at 4°C for more than one week.
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 registered 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 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

Related Products

Recommended Useful Reagents

[HUMAN ANTI ADALIMUMAB \(HCA202\)](#)

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

[HUMAN ANTI ADALIMUMAB \(HCA203\)](#)

[HUMAN ANTI ADALIMUMAB \(HCA205\)](#)

[HUMAN ANTI ADALIMUMAB \(DRUG/TARGET COMPLEX\) \(HCA207\)](#)

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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

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