Datasheet: HCA204P

BATCH NUMBER 157532

Description:	HUMAN ANTI ADALIMUMAB:HRP
Specificity:	ADALIMUMAB
Other names:	HUMIRA
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	AbD18655_hIgG1
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 0.1 mg/ml

Immunogen

Adalimumab

Specificity	**Human Anti-Adalimumab, clone AbD18655_hIgG1**, is an ultra-high affinity anti-idiotypic antibody that specifically recognizes adalimumab monoclonal antibody and inhibits the binding of adalimumab to its target, TNFα. 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 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 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. *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 -70°C. 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.
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/HCA204P 10094
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

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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