

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
Source	HKB-11
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_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 intrinsic affinity of the monovalent form of this antibody in an unconjugated format is $K_D=0.06$ nM as measured 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 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

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Humira is a trademark of Abbott Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10094 available at: <https://www.bio-rad-antibodies.com/SDS/HCA204P10094>

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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

[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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