

Datasheet: HCA207

Description:	HUMAN ANTI ADALIMUMAB (DRUG/TARGET COMPLEX)
Specificity:	ADALIMUMAB (DRUG/TARGET COMPLEX)
Other names:	HUMIRA®
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD18754_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 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 0.5 mg/ml

Immunogen

Adalimumab/TNF α complex

Specificity

Human anti Adalimumab, clone AbD18754_hlgG1, is an antibody that specifically

recognizes the adalimumab monoclonal antibody while complexed with TNF α . As clone AbD18754_hIgG1 is a complex-specific antibody that recognizes adalimumab bound to its target, TNF α , it does not recognize either free adalimumab or unbound TNF α .

Clone AbD18754_hIgG1 can be used in assays to measure adalimumab that has been captured via immobilized TNF α . It can also be used to measure adalimumab/TNF α and biosimilar products using bioanalytical assays.

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 $K_D=67$ nM by real time, label-free molecular interaction analysis on immobilized adalimumab/TNF α .

ELISA This product may be used in an indirect ELISA on adalimumab/TNF α complexes or as detection antibody, when conjugated to HRP, for adalimumab bound to TNF α .
Protocol: [PK antigen capture ELISA to measure bound drug exclusively](#)

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 at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

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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>

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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

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

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

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

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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

'M391696:211015'

Printed on 21 Mar 2022

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