

Datasheet: HCA203G

BATCH NUMBER 165630

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| Description: | HUMAN ANTI ADALIMUMAB |
| Specificity: | ADALIMUMAB |
| Other names: | HUMIRA |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | AbD18654_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.

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| 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. |
| Source | HKB-11 |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | Antibody concentration 1.0 mg/ml |

| | |
|--------------------------------------|---|
| Immunogen | Adalimumab |
| Specificity | <p>Human Anti-Adalimumab Antibody, clone AbD18654_hlgG1, is a high affinity anti-idiotypic antibody that specifically recognizes the adalimumab monoclonal antibody and inhibits the binding of adalimumab to its target, TNFα. The antibody can be used to measure the levels of adalimumab and biosimilar products in bioanalytical assays.</p> <p>Clone AbD18654_hlgG1 can be used to develop and calibrate immune response assays to measure the anti-drug antibody (ADA) response in patient serum.</p> <p>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.</p> <p>View a summary of all Anti-Adalimumab Antibodies.</p> |
| Affinity | The intrinsic affinity of the monovalent form of this antibody is $K_D=0.15$ nM as measured by real time, label-free molecular interaction analysis on immobilized Adalimumab. |
| ELISA | <p>This product may be used in an indirect ELISA or, when conjugated to HRP, as a detection reagent in a bridging ELISA together with HCA202 as the capture reagent. Protocol: PK bridging ELISA to measure free drug</p> <p>This antibody is fully human and can be used as a reference standard in an ADA assay. Protocol: ADA bridging ELISA.</p> |
| Storage | <p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p> |
| Guarantee | 12 months from date of despatch |
| Acknowledgements | <p>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.</p> <p>Humira is a trademark of Abbott Laboratories.</p> |
| Health And Safety Information | <p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA203G10040</p> |
| Licensed Use | For <i>in vitro</i> research purposes and for commercial applications for the provision of <i>in vitro</i> 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

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

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

[MOUSE ANTI HUMAN IgG \(Fc\) CH2 DOMAIN:HRP \(MCA647P\)](#)

[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

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