

Datasheet: HCA213G

Description:	HUMAN ANTI INFLIXIMAB
Specificity:	INFLIXIMAB
Other names:	REMICADE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD17841_hlgG1
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.

Product Form	Human IgG1 antibody (kappa light chain) selected from the HuCAL® phage display library and expressed in a human cell line.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	Antibody concentration 1.0 mg/ml
Immunogen	Infliximab
Specificity	Human Anti-Infliximab, clone AbD17841_hlgG1 is an anti-idiotypic antibody that specifically recognizes the infliximab monoclonal antibody and inhibits the binding of

infliximab to its target. It can be used in bioanalytical assays to measure the levels of infliximab and biosimilar products, such as Inflectra and Renflexis, in patient samples.

Human anti Infliximab, clone AbD17841_hlgG1 is a fully human antibody and may be used to develop and calibrate immune response assays to measure the anti-drug antibody (ADA) response in patient sera. In the HRP-conjugated format, clone AbD17841_IgG1 is suitable as a detection antibody in pharmacokinetic (PK) assays.

Infliximab (branded as Remicade) is a chimeric monoclonal antibody drug (IgG1/kappa) that has been approved for treatment of psoriasis, Crohn's disease, ankylosing spondylitis, psoriatic arthritis, rheumatoid arthritis, and ulcerative colitis.

Infliximab is directed against Tumor Necrosis Factor Alpha (TNF α) and acts by blocking the binding of this cytokine to its receptors. Infliximab also induces apoptosis of TNF α expressing T-lymphocytes.

[View a summary of all Anti-Infliximab Antibodies.](#)

Affinity	The monovalent intrinsic affinity of this antibody was measured as $K_D=1.8$ nM by real time, label-free molecular interaction analysis on immobilized Infliximab.
ELISA	This product may be used in a direct ELISA, as a bridging antibody in ADA assays or as a detection antibody in an Infliximab bridging ELISA when conjugated to HRP together with HCA212 as the capture reagent. Protocol: PK bridging ELISA to measure free drug Protocol: ADA bridging ELISA
References	1. Hernández-Breijo, B. <i>et al.</i> (2016) Standardization of the homogeneous mobility shift assay protocol for evaluation of anti-infliximab antibodies. Application of the method to Crohn's disease patients treated with infliximab. Biochem Pharmacol. Sep 21. pii: S0006-2952(16)30302-1. [Epub ahead of print]
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
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. Remicade is a registered trademark of Janssen Biotech Inc. Inflectra is a registered trademark of Hospira, a Pfizer Company. RENFLEXIS is a trademark of Merck Sharp & Dohme Corp.

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

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK002P\)](#)
[RECOMBINANT HUMAN TNF ALPHA \(PHP051\)](#)
[HUMAN ANTI INFLIXIMAB \(HCA212\)](#)
[HISPEC ASSAY DILUENT \(BUF049A\)](#)
[MOUSE ANTI HUMAN IgG \(Fc\) CH2 DOMAIN:HRP \(MCA647P\)](#)
[HUMAN ANTI INFLIXIMAB \(HCA214\)](#)
[HUMAN ANTI INFLIXIMAB \(HCA215\)](#)
[HUMAN ANTI INFLIXIMAB \(HCA216\)](#)

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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](https://www.bio-rad-antibodies.com/datasheets)
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