

Datasheet: HCA277

BATCH NUMBER 168748

Description:	HUMAN ANTI ETANERCEPT
Specificity:	ETANERCEPT
Other names:	ENBREL®
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD25940_hlgG4_Pro
Isotype:	IgG4
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 IgG4 antibody (kappa light chain) selected from the HuCAL phage display library and expressed in a human cell line - liquid.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Source	HKB-11
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Etanercept

Specificity **Human anti etanercept, clone AbD25940_hlgG4_Pro** is an antibody that specifically recognizes etanercept as well as the extracellular ligand-binding portion of the 75 kDa (p75) human tumor necrosis factor receptor 2 (TNFR2). Clone AbD25940_hlgG4_Pro inhibits the binding of etanercept to its target tumour necrosis factor alpha (TNF α). The antibody binds to free etanercept but not to etanercept bound to its target TNF α . The antibody binds to an epitope which is also part of the TNF α binding site and can be used to measure the levels of etanercept and biosimilar products (e.g. Etacept, Intacept) in bioanalytical assays.

CloneAbD25940_hlgG4_Pro is a fully human recombinant monoclonal antibody with an IgG4 isotype and is suitable as a reference standard in an anti-drug antibody (ADA) assay. Additionally the antibody can be used to develop a pharmacokinetic (PK) bridging assay to measure free drug. This antibody, in full immunoglobulin format, is recommended as the detection antibody, paired with the antibody clone AbD25939 ([HCA276](#)) in monovalent Fab format, as the capture antibody.

Etanercept (Enbrel[®]) is a dimeric fusion protein consisting of the extracellular ligand-binding portion of the human 75 kDa (p75) TNFR2 linked to the Fc portion of human IgG1. The Fc component of etanercept contains the CH2 domain, the CH3 domain and hinge region, but not the CH1 domain of IgG1. It is used to treat autoimmune diseases by interfering with TNF, acting as a TNF inhibitor. It binds to both TNF α and TNF β (Lymphotoxin A).

[View a summary of all anti-etanercept antibodies.](#)

Affinity The intrinsic affinity of the monovalent form of this antibody is $K_D=2.4$ nM as measured by real time, label-free molecular interaction analysis on immobilized Etanercept.

ELISA This product may be used in a direct or indirect ELISA or as a detection antibody in a bridging ELISA. Protocol: [ADA bridging ELISA](#).

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.
Enbrel is a trademark of Immunex Corporation.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/HCA277>
10040

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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 ETANERCEPT \(HCA276\)](#)

[HUMAN ANTI ETANERCEPT \(HCA279\)](#)

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

[HUMAN ANTI ETANERCEPT:HRP \(HCA277P\)](#)

[HUMAN ANTI ETANERCEPT:HRP \(HCA279P\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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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