

Datasheet: HCA279

BATCH NUMBER 159488

Description:	HUMAN ANTI ETANERCEPT
Specificity:	ETANERCEPT
Other names:	ENBREL®
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD26183_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 (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	IgG concentration 0.5 mg/ml
Immunogen	Etanercept
Specificity	Human anti etanercept, clone AbD26183_hlgG1 is an antibody that specifically

recognizes etanercept at the region of the fusion of p75 with the Fc portion of human IgG1. The antibody does not inhibit the binding of etanercept to its target tumor necrosis factor alpha (TNF α); it binds to both free etanercept and to etanercept bound to its target TNF α and can be used to measure total etanercept very specifically.

The antibody can be used to develop a pharmacokinetic (PK) bridging assay to measure total drug in patient samples. 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 monovalent intrinsic affinity of this antibody was measured as $K_D=14.8$ nM 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 together with HCA276 as the capture reagent. Protocol: PK bridging ELISA to measure total drug
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	Sold under license of U.S. Patents 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad. Enbrel is a registered trademark of Immunex Corporation.
Health And Safety Information	Material Safety Datasheet documentation #10094 available at: https://www.bio-rad-antibodies.com/SDS/HCA279 10094
Licensed Use	For in vitro research purposes and for commercial applications for the provision of in vitro 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 \(BUF049A\)](#)

[HUMAN ANTI ETANERCEPT \(HCA276\)](#)

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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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