

Datasheet: HCA279P

Description:	HUMAN ANTI ETANERCEPT:HRP
Specificity:	ETANERCEPT
Other names:	ENBREL®
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	AbD26183_hIgG1
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. Conjugated to horseradish peroxidase (HRP) - liquid

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 0.1 mg/ml

Immunogen

Etanercept

Specificity

Human anti etanercept, clone AbD26183_hIgG1 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 (TNFα); it binds to both free etanercept and to etanercept bound to its target TNFα 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 ELISA or as a detection antibody in a bridging ELISA. Protocol: PK bridging ELISA to measure total drug
Storage	Store at -70°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted
Guarantee	12 months from date of despatch
Acknowledgements	Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany. Enbrel is a registered trademark of Immunex Corporation
Health And Safety Information	Material Safety Datasheet documentation #10094 available at: 10094: https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf
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

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

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

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

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