Datasheet: HCA336

BATCH NUMBER 164969

Description:	HUMAN ANTI ABATACEPT
Specificity:	ABATACEPT
Other names:	Orencia
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD37065ia
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. This antibody is supplied as a liquid.

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 0.5 mg/ml

Immunogen

Abatacept

Specificity

Human Anti-Abatacept, clone AbD37065ia is a recombinant antibody that specifically

recognizes the fusion protein drug abatacept as well as cytotoxic T-lymphocyte antigen-4 (CTLA-4), also known as CD152. The antibody binds to free abatacept and can be used to measure free abatacept or abatacept biosimilars in patient samples.

Clone AbD37065ia is a fully human recombinant monoclonal antibody with an IgG1 isotype and is suitable as a surrogate positive control or reference standard in an anti-drug antibody (ADA) assay.

Abatacept (Orencia) is a recombinant fusion protein consisting of the extra-cellular domain of human CTLA-4, fused to the modified Fc (hinge, CH2, and CH3 domains) portion of human IgG1. It is used to treat several autoimmune diseases, including rheumatoid arthritis, psoriatic arthritis and juvenile idiopathic arthritis, by inhibiting optimal T-cell activation. It binds to CD80 and CD86 on antigen-presenting cells and blocks the costimulatory interaction with CD28 on T cells.

View a summary of all anti-abatacept antibodies

Affinity	The intrinsic affinity of the monovalent form of Human anti Abatacept antibody, clone AbD37065ia is K_D = 6 nM as measured by real time, label free molecular interaction analysis on immobilized Abatacept.
ELISA	Human anti Abatacept antibody, clone AbD37065ia can be used in an indirect ELISA. It can also be used as a calibrator in an anti-drug antibody assay. 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. Orencia is a trademark of Bristol-Myers Squibb Company.
Health And Safety Information	Material Safety Datasheet documentation #10094 available at: https://www.bio-rad-antibodies.com/SDS/HCA336 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)
LYNX RAPID HRP ANTIBODY CONJUGATION KIT (LNK002P)
HUMAN ANTI ABATACEPT (HCA335)

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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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