Datasheet: HCA378

Description:	HUMAN ANTI EVOLOCUMAB
Specificity:	EVOLOCUMAB
Other names:	Repatha
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD40405ia
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 (lambda 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
Source	HKB-11
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Approx. Protein Concentrations	Antibody concentration 0.5 mg/ml
Immunogen	Evolocumab

Specificity	**Human Anti-Evolocumab Antibody, clone AbD40405ia**, is a paratope specific, inhibitory antibody that specifically recognizes the monoclonal antibody drug evolocumab. It does not recognize the drug target, human proprotein convertase subtilisin/kexin type 9 (PCSK9), nor evolocumab in complex with PCSK9. Clone AbD40405ia is a fully human recombinant monoclonal antibody with IgG1 isotype and is suitable as a surrogate positive control or reference standard in an anti-drug antibody (ADA) assay. This antibody has a monovalent intrinsic affinity of 5 nM and is one of three offered for ADA assays. Antibody HCA376 has affinity 5 nM and HCA377 has affinity 1 nM. Evolocumab (Repatha) is a fully human IgG2 lambda antibody developed using transgenic mouse technology. It has been approved for treating selected patients with high cholesterol, and for the prevention of heart attack and stroke. The drug prevents the PCSK9 protein binding to the low density lipoprotein receptor (LDLR), thereby increasing the number of LDLRs available and lowering LDL levels. View a summary of all evolocumab antibodies
Affinity	Theintrinsic affinity of the monovalent form of Human anti Evolocumab antibody, clone AbD40405ia is K_D = 5 nM as measured by real time, label free molecular interaction analysis on immobilized Evolocumab.
ELISA	Human anti Evolocumab antibody, clone AbD40405ia can 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. Repatha is a trademark of Amgen.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA378 10040
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

LYNX RAPID HRP ANTIBODY CONJUGATION KIT (LNK002P)
HUMAN ANTI EVOLOCUMAB (HCA376)
HUMAN ANTI EVOLOCUMAB (HCA377)
HUMAN ANTI EVOLOCUMAB (TZA007)
MOUSE ANTI HUMAN IgG (Fc) CH2 DOMAIN:HRP (MCA647P)
HUMAN ANTI EVOLOCUMAB (TZA008)
HUMAN ANTI EVOLOCUMAB:HRP (TZA008P)
HISPEC ASSAY DILUENT (BUF049A)

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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

'M428547:240301'

Printed on 01 Mar 2024

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