

Datasheet: HCA373

Description:	HUMAN ANTI SECUKINUMAB
Specificity:	SECUKINUMAB
Other names:	Cosentyx
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD36536ia
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	Secukinumab

Specificity

Human Anti-Secukinumab Antibody, clone AbD36536ia is a paratope specific, inhibitory anti-idiotypic antibody that specifically recognizes the human monoclonal antibody secukinumab. It does not recognize free human interleukin IL-17A (IL-17A) nor secukinumab in complex with human IL-17A. The antibody can be used to measure secukinumab or its biosimilars in patient samples.

Clone AbD36536ia is a fully human recombinant monoclonal antibody with IgG1 isotype and can be used as a surrogate positive control or reference standard in an anti-drug antibody (ADA) assay. This antibody has a monovalent intrinsic affinity of 12 nM, and is one of three antibodies with different affinities offered for ADA assays.

Secukinumab (Cosentyx) is a human IgG1/kappa antibody generated using transgenic mouse technology. It has been approved for the treatment of plaque psoriasis, ankylosing spondylitis, psoriatic arthritis and non-radiographic axial spondyloarthritis. Secukinumab inhibits IL-17A produced mainly by inflammatory T helper 17 cells (Lubrano and Perrotta 2016).

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

Affinity

The intrinsic affinity of the monovalent form of Human anti Secukinumab antibody, clone AbD36536ia is $K_D = 12$ nM as measured by real time, label free molecular interaction analysis on immobilized Secukinumab.

ELISA

Human anti Secukinumab antibody, clone AbD36536ia is suitable for use as a surrogate positive control or calibrator in an anti-drug antibody assay.
Protocol: [ADA bridging ELISA](#).

Further Reading

1. Lubrano, E. & Perrotta, F.M. (2016) Secukinumab for ankylosing spondylitis and psoriatic arthritis. [Ther Clin Risk Manag. 12: 1587-1592](#).

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.
Cosentyx is a trademark of Novartis.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/HCA373>
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

[HUMAN ANTI SECUKINUMAB \(HCA370\)](#)

[HUMAN ANTI SECUKINUMAB \(HCA371\)](#)

[HUMAN ANTI SECUKINUMAB \(HCA372\)](#)

[HUMAN ANTI SECUKINUMAB \(DRUG/TARGET COMPLEX\) \(HCA375\)](#)

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

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK002P\)](#)

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
'M428543:240301'

Printed on 01 Mar 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)