

Datasheet: HCA375

Description:	HUMAN ANTI SECUKINUMAB (DRUG/TARGET COMPLEX)
Specificity:	SECUKINUMAB
Other names:	Cosentyx
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD36949
Isotype:	HuCAL Fab monovalent
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

A monovalent human recombinant Fab (kappa light chain) selected from the HuCAL phage display library, expressed in *E. coli*. The antibody is tagged with a DYKDDDDK tag and a HIS-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This antibody is supplied as a liquid.

Preparation

Metal chelate affinity chromatography

Source

E. coli

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations

Antibody concentration 0.5 mg/ml

Immunogen	Secukinumab/IL-17A complex
Specificity	<p>Human Anti-Secukinumab (Drug/Target Complex) Antibody, clone AbD36949 specifically recognizes the human monoclonal antibody drug secukinumab when in complex with its target, interleukin 17A (IL-17A). The antibody does not recognize free secukinumab or unbound IL-17A. It can be used to measure levels of secukinumab or its biosimilars in patient samples.</p> <p>Clone AbD36949 is a monovalent Fab format antibody that can be used to develop a pharmacokinetic (PK) antigen capture assay to measure free secukinumab that has been captured via immobilized IL-17A.</p> <p>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 interleukin 17A (IL-17A) produced mainly by inflammatory T helper 17 cells (Lubrano and Perrotta 2016).</p> <p>View a summary of all anti- secukinumab antibodies</p>
Affinity	The intrinsic affinity of the monovalent form of Human anti Secukinumab antibody, clone AbD36949 is $K_D = 7$ nM as measured by real time, label free molecular interaction analysis on immobilized hIL-17A/secukinumab complex.
ELISA	Human anti Secukinumab antibody, clone AbD36949 is suitable for use as a detection antibody for Secukinumab captured via immobilized hIL-17A. Protocol: PK antigen capture ELISA .
Further Reading	1. Lubrano, E. & Perrotta, F.M. (2016) Secukinumab for ankylosing spondylitis and psoriatic arthritis. Ther Clin Risk Manag. 12: 1587-92.
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Acknowledgements	<p>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.</p> <p>His-tag is a registered trademark of EMD Biosciences.</p> <p>Cosentyx is a trademark of Novartis.</p>
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA375

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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 \(HCA373\)](#)

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

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

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

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