

Datasheet: HCA372

BATCH NUMBER 164784

Description:	HUMAN ANTI SECUKINUMAB
Specificity:	SECUKINUMAB
Other names:	Cosentyx
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD37091ia
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
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	Antibody concentration 0.5 mg/ml
Immunogen	Secukinumab
Specificity	Human Anti-Secukinumab Antibody, clone AbD37091ia is a paratope specific,

inhibitory anti-idiotypic antibody that specifically recognizes the human monoclonal antibody secukinumab. It does not recognize free human interleukin 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.

A pair of anti-secukinumab antibodies can be used to develop a pharmacokinetic (PK) bridging assay to measure free drug. Either this antibody, or clone AbD37054ia ([HCA371](#)), is recommended as the detection antibody, paired with an anti-secukinumab antibody in monovalent Fab format, clone AbD37052 ([HCA370](#)), as the capture antibody.

Clone AbD37091ia 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 5 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 AbD37091ia is $K_D = 5$ nM as measured by real time, label free molecular interaction analysis on immobilized Secukinumab.
ELISA	Human anti Secukinumab antibody, clone AbD37091ia is suitable for use as a detection antibody for Secukinumab in a bridging ELISA together with HCA370 as the capture reagent. It can also be used as a surrogate positive control or calibrator in an anti-drug antibody assay. Protocol: PK bridging ELISA . 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 #10094 available at: https://www.bio-rad-antibodies.com/SDS/HCA372 10094
Licensed Use	For <i>in vitro</i> research purposes and for commercial applications for the provision of <i>in vitro</i> 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 \(HCA373\)](#)
[HUMAN ANTI SECUKINUMAB \(DRUG/TARGET COMPLEX\) \(HCA375\)](#)
[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK002P\)](#)
[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
'M407735:221009'

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