

Datasheet: HCA370

BATCH NUMBER 160401

Description:	HUMAN ANTI SECUKINUMAB
Specificity:	SECUKINUMAB
Other names:	Cosentyx
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD37052
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 (lambda light chain) selected from the HuCAL® phage display library, expressed in <i>E. coli</i> . 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
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 AbD37052** 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.

Clone AbD37052 is a fully human recombinant monoclonal antibody in monovalent Fab format and is suitable as a capture antibody for secukinumab in a pharmacokinetic (PK) bridging ELISA to measure free drug when paired with either clone AbD37054ia ([HCA371](#)) or clone AbD37091ia ([HCA372](#)), in IgG1 format, as the detection reagent.

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 monovalent intrinsic affinity of AbD37052 was measured as $K_D = 5$ nM by real time, label free molecular interaction analysis on immobilized secukinumab.

ELISA Clone AbD37052 is suitable as a capture antibody for secukinumab in a bridging ELISA together with HCA371 or HCA372 as the detection reagent.

Protocol: [PK 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.
His-tag is a registered trademark of EMD Biosciences.
Cosentyx is a trademark of Novartis.

Health And Safety Information Material Safety Datasheet documentation #10094 available at: <https://www.bio-rad-antibodies.com/SDS/HCA37010094>

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 \(HCA371\)](#)

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

[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

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