

Datasheet: HCA374

Description:	HUMAN ANTI SECUKINUMAB (DRUG/TARGET COMPLEX)
Specificity:	SECUKINUMAB DRUG/TARGET COMPLEX
Other names:	Cosentyx
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD36948ia
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 (kappa 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/IL-17A complex

Specificity	<p>Human Anti-Secukinumab (Drug/Target Complex) Antibody, clone AbD36948ia 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 AbD36948ia is a complex specific, non-inhibitory fully human IgG1 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>Protocol: PK antigen capture ELISA</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	<p>The intrinsic affinity of the monovalent form of Human anti Secukinumab antibody, clone AbD36948ia is $K_D = 5$ nM as measured by real time, label free molecular interaction analysis on immobilized hIL-17A/secukinumab complex.</p>
ELISA	<p>Clone AbD36948ia is recommended for use as the detection reagent in an antigen capture assay to measure free secukinumab captured on immobilized IL-17A.</p> <p>Protocol: PK antigen capture ELISA</p>
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	<p>12 months from date of despatch</p>
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>Cosentyx is a trademark of Novartis.</p>
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA374</p> <p>10040</p>
Licensed Use	<p>For <i>in vitro</i> research purposes and for commercial applications for the provision of <i>in vitro</i></p>

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
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Technical Advice	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the HuCAL Antibodies Technical Manual .
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Related Products

Recommended Useful Reagents

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

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

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

[HUMAN ANTI SECUKINUMAB \(HCA373\)](#)

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

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

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

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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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