

## Datasheet: HCA375

**BATCH NUMBER 160409**

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

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.01% Thiomersal

### Approx. Protein Concentrations

Antibody concentration 0.5 mg/ml

### Immunogen

Secukinumab/IL-17A complex

<b>Specificity</b>	<p><b>Human Anti-Secukinumab (Drug/Target Complex) Antibody, clone AbD36949</b> 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><a href="#">View a summary of all anti- secukinumab antibodies</a></p>
<b>Affinity</b>	The monovalent intrinsic affinity of AbD36949 was measured as $K_D = 7$ nM by real time, label free molecular interaction analysis on immobilized hIL-17A/secukinumab complex.
<b>ELISA</b>	<p>Clone AbD36949 is suitable for use as a detection antibody for secukinumab captured via immobilized hIL-17A.</p> <p>Protocol: <a href="#">PK antigen capture ELISA</a></p>
<b>Further Reading</b>	1. Lubrano, E. & Perrotta, F.M. (2016) Secukinumab for ankylosing spondylitis and psoriatic arthritis. <a href="#">Ther Clin Risk Manag. 12: 1587-1592.</a>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	<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 <a href="http://bio-rad.com/en-us/trademarks">bio-rad.com/en-us/trademarks</a> for details.</p> <p>His-tag is a registered trademark of EMD Biosciences.</p> <p>Cosentyx is a trademark of Novartis.</p>
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10094 available at: <a href="https://www.bio-rad-antibodies.com/SDS/HCA375">https://www.bio-rad-antibodies.com/SDS/HCA375</a></p> <p>10094</p>

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**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 \(HCA373\)](#)

[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](https://bio-rad-antibodies.com/datasheets)

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