

## Datasheet: HCA374

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|----------------------|--|
| <b>Description:</b>  | HUMAN ANTI SECUKINUMAB (DRUG/TARGET COMPLEX) |
| <b>Specificity:</b>  | SECUKINUMAB DRUG/TARGET COMPLEX              |
| <b>Other names:</b>  | Cosentyx                                     |
| <b>Format:</b>       | Purified                                     |
| <b>Product Type:</b> | Monoclonal Antibody                          |
| <b>Clone:</b>        | AbD36948ia                                   |
| <b>Isotype:</b>      | IgG1   |
| <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.

|                                       |  |
|---------------------------------------|--|
| <b>Product Form</b>                   | 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. |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein A  |
| <b>Source</b>                         | HKB-11   |
| <b>Buffer Solution</b>                | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )   |
| <b>Approx. Protein Concentrations</b> | Antibody concentration 0.5 mg/ml   |
| <b>Immunogen</b>                      | Secukinumab/IL-17A complex   |

|                                      |   |
|--------------------------------------|---|
| <b>Specificity</b>                   | <p><b>Human Anti-Secukinumab (Drug/Target Complex) Antibody, clone AbD36948ia</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 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: <a href="#">PK antigen capture ELISA</a></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>                      | <p>The intrinsic affinity of the monovalent form of Human anti Secukinumab antibody, clone AbD36948ia is <math>K_D = 5</math> nM as measured by real time, label free molecular interaction analysis on immobilized hIL-17A/secukinumab complex.</p>  |
| <b>ELISA</b>                         | <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: <a href="#">PK antigen capture ELISA</a></p>   |
| <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>                     | <p>12 months from date of despatch</p>  |
| <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>Cosentyx is a trademark of Novartis.</p>   |
| <b>Health And Safety Information</b> | <p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/HCA374">https://www.bio-rad-antibodies.com/SDS/HCA374</a></p> <p>10040</p>  |
| <b>Licensed Use</b>                  | <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.

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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 \(HCA373\)](#)

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

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