

Datasheet: HCA435

**BATCH NUMBER 171371**

<b>Description:</b>	HUMAN ANTI IXEKIZUMAB
<b>Specificity:</b>	IXEKIZUMAB
<b>Other names:</b>	Taltz
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD60554ia
<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 product 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>	Ixekizumab

**Specificity** **Human Anti-Ixekizumab Antibody, clone AbD60554ia** is a non-paratope specific, non-inhibitory, anti-idiotypic antibody (Type 2) that specifically recognizes the free, partially bound and fully bound human monoclonal antibody drug ixekizumab, and its biosimilar products. This antibody can be used to measure free, partially bound and fully bound ixekizumab levels in serum from patients.

HCA435 is a fully human recombinant monoclonal antibody with IgG1 isotype and is suitable as a surrogate positive control or calibrator in an anti-drug antibody (ADA) assay. This antibody has a monovalent intrinsic affinity of 0.6nM and is one of the four antibodies offered for ADA assays. Antibody [HCA432](#) has an affinity of 0.2nM, [HCA433](#) has an affinity of 0.9nM and [HCA434](#) has an affinity of 0.6nM.

Ixekizumab (trade name Taltz) is a humanized monoclonal antibody of the IgG4/kappa isotype that binds to interleukin 17 (IL-17A), a pro-inflammatory cytokine, and blocks its action. Blocking its effect is beneficial for use in inflammatory conditions. Ixekizumab is indicated for the treatment of moderate-to-severe plaque psoriasis and as a second-line therapy for active psoriatic arthritis.

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**Affinity** The monovalent intrinsic affinity of Human Anti-Ixekizumab Antibody, clone AbD60554ia was measured as  $K_D = 0.6$  nM by real time, label-free molecular interaction analysis on immobilized ixekizumab.

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**ELISA** Clone AbD60554ia can be used in indirect ELISA to detect ixekizumab. It can also be used as a surrogate positive control or a calibrator in an anti-drug antibody (ADA) assay, together with [HCA432](#), [HCA433](#) and [HCA434](#).

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**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.

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**Guarantee** 12 months from date of despatch

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**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.

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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

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

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

[HUMAN ANTI IXEKIZUMAB \(HCA432\)](#)

[HUMAN ANTI IXEKIZUMAB \(HCA433\)](#)

[HUMAN ANTI IXEKIZUMAB \(HCA434\)](#)

[HUMAN ANTI IXEKIZUMAB \(TZA0105\)](#)

[HUMAN ANTI IXEKIZUMAB \(TZA0106\)](#)

[HUMAN ANTI IXEKIZUMAB:HRP \(TZA0106P\)](#)

[HUMAN ANTI IXEKIZUMAB \(TZA0107\)](#)

[HUMAN ANTI IXEKIZUMAB:HRP \(TZA0107P\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

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