

Datasheet: HCA433

Description:	HUMAN ANTI IXEKIZUMAB
Specificity:	IXEKIZUMAB
Other names:	Taltz
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD60559ia
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 (lambda light chain) selected from the HuCAL phage display library and expressed in a human cell line. This product 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	Ixekizumab

Specificity

Human Anti-Ixekizumab Antibody, clone AbD60559ia is a paratope specific, inhibitory, anti-idiotypic antibody (Type 1) that specifically recognizes the free human monoclonal antibody drug ixekizumab, and its biosimilar products. It does not recognize the drug target, human Interleukin 17 (IL-17A), nor ixekizumab in complex with IL-17A.

HCA433 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 0.9nM and is one of the four antibodies offered for ADA assays. Antibody [HCA432](#) has an affinity of 0.2nM, [HCA434](#) has an affinity of 0.6nM and [HCA435](#) 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.

[View a summary of all anti-ixekizumab antibodies](#)

Affinity

The monovalent intrinsic affinity of Human Anti-Ixekizumab Antibody, clone AbD60559ia was measured as $K_D = 0.9 \text{ nM}$ by real time, label-free molecular interaction analysis on immobilized ixekizumab.

ELISA

Clone AbD60559ia 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](#), [HCA434](#) and [HCA435](#).

Protocol: [ADA bridging ELISA](#)

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 $2-8^\circ\text{C}$ 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.

Taltz is a registered trademark of Eli Lilly.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/HCA433>

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

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

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

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

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

[HUMAN ANTI IXEKIZUMAB \(HCA435\)](#)

[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

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

'M445598:250904'

Printed on 21 Nov 2025

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