

Datasheet: HCA434

BATCH NUMBER 171370

Description:	HUMAN ANTI IXEKIZUMAB
Specificity:	IXEKIZUMAB
Other names:	Taltz
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD60555ia
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 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	<p>Human Anti-Ixekizumab Antibody, clone AbD60555ia 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. This antibody can be used to measure free ixekizumab levels in serum from patients.</p> <p>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 0.6nM 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 HCA435 has an affinity of 0.6nM.</p> <p>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.</p>
Affinity	<p>The monovalent intrinsic affinity of Human Anti-Ixekizumab Antibody, clone AbD60555ia was measured as $K_D = 0.6$ nM by real time, label-free molecular interaction analysis on immobilized ixekizumab.</p>
ELISA	<p>Clone AbD60555ia 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 HCA435.</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>Taltz is a registered trademark of Eli Lilly.</p>
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA434</p>
Licensed Use	<p>For <i>in vitro</i>. 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.</p>
Regulatory	<p>For research purposes only</p>

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 \(HCA433\)](#)

[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

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