

Datasheet: TZA0107

**BATCH NUMBER 171366**

<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>	AbD60554
<b>Isotype:</b>	Fab antibody
<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 (lambda light chain) selected from the HuCAL phage display library and expressed in a proprietary E. coli strain. The antibody is tagged with a DYKDDDDK tag, a SpyTag version 2 (VPTIVMVDAYKRYK) and a His6-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This antibody is supplied as a liquid.

### Preparation

Metal chelate affinity chromatography

### Source

E.coli

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.0095% MIT

### Approx. Protein

Antibody concentration 0.5 mg/ml

## Concentrations

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**Immunogen** Ixekizumab

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**Specificity** **Human Anti-Ixekizumab Antibody, clone AbD60554** 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.

This TrailBlazer Antibody is available in an unconjugated monovalent Fab format. It may be used as capture antibody for ixekizumab in a pharmacokinetic (PK) antigen detection assay together with the bivalent Fab conjugated to HRP, [TZA0107P](#) (AbD48542ad) as detection reagent.

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 AbD60554ad 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 AbD60554ad can be used in indirect ELISA to detect ixekizumab. It can also be used as a capture antibody to develop a pharmacokinetic (PK) bridging ELISA for ixekizumab, together with [TZA0107P](#) as the detection reagent.

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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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**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](http://bio-rad.com/en-us/trademarks) for details.  
His-tag is a registered trademark of EMD Biosciences.  
Taltz is a trademark of Eli Lilly.

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**Health And Safety Information** Material Safety Datasheet documentation #20479 available at: <https://www.bio-rad-antibodies.com/SDS/TZA0107>

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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 for coupling a Fab antibody with a SpyTag to a SpyCatcher can be found at [SpyTag and SpyCatcher Products](#), 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 \(BUF049A\)](#)  
[HUMAN ANTI IXEKIZUMAB \(HCA432\)](#)  
[HUMAN ANTI IXEKIZUMAB \(HCA433\)](#)  
[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](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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