

## Datasheet: TZA0106

<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>	AbD60557
<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 (kappa 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 Concentrations

Antibody concentration 0.5 mg/ml

**Immunogen**

Ixezumab

**Specificity**

**Human Anti-Ixezumab Antibody, clone AbD60557** 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.

Clone AbD60557 is available as a monovalent Fab antibody incorporating a SpyTag at the C-terminus end of the antibody heavy chain for conversion by the end user into alternative formats using any of the [SpyCatchers](#) available in our catalog under product code [TZA0106](#). It is also available as a bivalent Fab antibody already conjugated to HRP via coupling to the HRP conjugated BiSpyCatcher2 ([TZC002P](#)) for use in direct ELISA under product code [TZA0106P](#).

A pair of anti-ixekizumab antibodies can be used to develop a pharmacokinetic (PK) bridging assay to measure free drug; clone AbD60557 is recommended as a detection antibody, paired with Human Anti-Ixezumab Antibody, clone AbD60570ad ([TZA0105](#)) as the capture reagent.

Ixezumab (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. Ixezumab 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-Ixezumab Antibody, clone AbD60557ad was measured as  $K_D = 0.1$  nM by real time, label-free molecular interaction analysis on immobilized ixekizumab.

**ELISA**

Clone AbD60557ad can be used in indirect ELISA to detect ixekizumab. It can also be used as a detection antibody to develop a pharmacokinetic (PK) bridging ELISA for risankizumab, together with [TZA0105](#) as the capture reagent. Note that both TZA0105 (capture) and TZA0106 (detection) contain the same peptide tags. Therefore, using anti-tag antibodies for detecting TZA0106 is not possible.

Protocol: [PK 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°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

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<b>Acknowledgements</b>	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. Taltz is a registered trademark of Eli Lilly.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20479 available at: <a href="https://www.bio-rad-antibodies.com/SDS/TZA0106">https://www.bio-rad-antibodies.com/SDS/TZA0106</a>
<b>Licensed Use</b>	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.
<b>Regulatory</b>	For research purposes only
<b>Technical Advice</b>	Recommended protocols for coupling a Fab antibody with a SpyTag to a SpyCatcher can be found at <a href="#">SpyTag and SpyCatcher Products</a> , and further information about HuCAL recombinant antibody technology can be found in the <a href="#">HuCAL Antibodies Technical Manual</a> .

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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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**Printed on 24 Sep 2025**