

Datasheet: TZA058

Description:	HUMAN ANTI RISANKIZUMAB
Specificity:	RISANKIZUMAB
Other names:	Skyrizi
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD59012ad
Isotype:	Fab antibody
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

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	Risankizumab
Specificity	<p>Human Anti-Risankizumab Antibody, clone AbD59012ad is a paratope specific, inhibitory, anti-idiotypic antibody (Type 1) that specifically recognizes the free human monoclonal antibody drug risankizumab, and its biosimilar products. It does not recognize the drug target, human Interleukin 23 (IL-23), nor risankizumab in complex with IL-23. This antibody can be used to measure free risankizumab levels in serum from patients.</p> <p>A pair of anti-risankizumab antibodies can be used to develop a pharmacokinetic (PK) bridging assay to measure free drug; clone AbD59012ad is recommended as a capture antibody, paired with Human Anti-Risankizumab Antibody, clone AbD58231 (TZA059) as the detection antibody.</p> <p>TZA058 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. It is also available in the full length recombinant human IgG1 format under product code HCA414.</p> <p>Risankizumab (trade name Skyrizi) is a humanized monoclonal antibody of the IgG1/kappa isotype that suppresses the inflammatory effects of interleukin-23 by selectively targeting its unique p19 subunit, subsequently inhibiting IL-23 binding to its receptor and the signaling responsible for the release of pro-inflammatory cytokines and chemokines. Risankizumab is indicated as an interleukin-23 antagonist in the treatment of plaque psoriasis, psoriatic arthritis and Crohn's disease in adults.</p>
Affinity	The monovalent intrinsic affinity of Human Anti-Risankizumab Antibody, clone AbD59012ad was measured as $K_D = 0.1$ nM by real time, label-free molecular interaction analysis on immobilized risankizumab.
ELISA	Clone AbD59012ad can be used in indirect ELISA to detect risankizumab. It can also be used as the capture antibody to develop a pharmacokinetic (PK) bridging ELISA for risankizumab, together with TZA059 or TZA059P as the detection reagent.
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	12 months from date of despatch
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>Skyrizi is a registered trademark of AbbVie Biotechnology Ltd.</p>
Health And Safety	Material Safety Datasheet documentation #20479 available at:

Information <https://www.bio-rad-antibodies.com/SDS/TZA058>
20479

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Regulatory For research purposes only

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](#).

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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

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