

Datasheet: HCA414

Description:	HUMAN ANTI RISANKIZUMAB
Specificity:	RISANKIZUMAB
Other names:	Skyrizi
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD59012ia
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	Risankizumab

Specificity	<p>Human Anti-Risankizumab Antibody, clone AbD59012ia 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>HCA414 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 0.1nM and is one of the three antibodies offered for ADA assays. Antibody HCA415 has an affinity of 5nM and HCA416 has an affinity of 8nM.</p> <p>Clone AbD59012ia is also available as a monovalent Fab antibody incorporating a SpyTag at the C-terminus end of the antibody heavy chain (TZA058) for conversion by the end user into alternative formats using any of the SpyCatchers available in our catalog.</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	<p>The monovalent intrinsic affinity of Human Anti-Risankizumab Antibody, clone AbD59012ia was measured as $K_D = 0.1$ nM by real time, label-free molecular interaction analysis on immobilized risankizumab.</p>
ELISA	<p>Clone AbD59012ia can be used in indirect ELISA to detect risankizumab. It can also be used as a surrogate positive control or a calibrator in an anti-drug antibody (ADA) assay, together with HCA415 and HCA416</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>Skyrizi is a registered trademark of AbbVie Biotechnology Ltd.</p>
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA414 10040</p>

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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](#).

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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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