

Datasheet: TZA098B

BATCH NUMBER 169769

Description:	HUMAN ANTI HUMAN IgG (CH2 DOMAIN):Biotin
Specificity:	IgG CH2 DOMAIN
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	AbD13299
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.

Target Species	Human
Product Form	A monovalent human recombinant Fab (kappa light chain) selected from the HuCAL® phage display library, 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	Recombinant human IgG1 kappa
Specificity	<p>Human Anti-Human IgG (CH2 domain) Antibody, clone AbD13299 is a recombinant Fab antibody that recognizes the CH2 domain of human IgG. Clone AbD13299 recognizes the same epitope as the R10Z8E9 clone (MCA5748G) and shows reduced reactivity to immunoglobulins from rat, mouse or non-human primate species (Rhesus and Cynomolgus macaques).</p> <p>Clone AbD13299 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 TZA098. It is also available as a bivalent Fab antibody already conjugated to HRP (TZA098P) via coupling to the HRP conjugated BiSpyCatcher2 (TZC002P) or conjugated to biotin (TZA098B) via coupling to the biotin conjugated BiSpyCatcher2 (TZC002B).</p> <p>This antibody has been generated by Bio-Rad using the HuCAL antibody library and is sold for research use only, with implicit permission for the detection of therapeutic antibodies from samples obtained from experimental animals.</p>
Affinity	The intrinsic affinity of AbD13299pab was measured as $K_D = 4$ nM as measured by real time, label free molecular interaction analysis on immobilized hIgG1 kappa.
Storage	<p>Store at -20°C only.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.</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>His-tag is a trademark of EMD Biosciences.</p>
Health And Safety Information	<p>Material Safety Datasheet documentation #20479 available at: https://www.bio-rad-antibodies.com/SDS/TZA098B</p> <p>20479</p>
Licensed Use	For <i>in vitro</i> research purposes only, unless otherwise specified in writing by Bio-Rad.
Regulatory	For research purposes only
Technical Advice	<p>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</p>

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN IgG \(CH2 DOMAIN\) \(MCA5748G\)](#)

[HUMAN ANTI HUMAN IgG \(CH2 DOMAIN\) \(TZA098\)](#)

[HUMAN ANTI HUMAN IgG \(CH2 DOMAIN\):HRP \(TZA098P\)](#)

[HUMAN ANTI HUMAN IgG1 \(Fc\) \(TZA043\)](#)

[HUMAN ANTI HUMAN IgG1 \(Fc\) \(HCA285\)](#)

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

'M433874:250107'

Printed on 20 Jan 2025

© 2025 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)