

Datasheet: TZA098B

**BATCH NUMBER 169627**

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

<b>Target Species</b>	Human
<b>Product Form</b>	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.
<b>Preparation</b>	Metal chelate affinity chromatography
<b>Source</b>	E.coli
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.0095% MIT
<b>Approx. Protein Concentrations</b>	Antibody concentration 0.5 mg/ml

<b>Immunogen</b>	Recombinant human IgG1 kappa
<b>Specificity</b>	<p><b>Human Anti-Human IgG (CH2 domain) Antibody, clone AbD13299</b> is a recombinant Fab antibody that recognizes the CH2 domain of human IgG. Clone AbD13299 recognizes the same epitope as the R10Z8E9 clone (<a href="#">MCA5748G</a>) 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 <a href="#">SpyCatchers</a> available in our catalog under product code <a href="#">TZA098</a>. It is also available as a bivalent Fab antibody already conjugated to HRP (<a href="#">TZA098P</a>) via coupling to the HRP conjugated BiSpyCatcher2 (<a href="#">TZC002P</a>) or conjugated to biotin (<a href="#">TZA098B</a>) via coupling to the biotin conjugated BiSpyCatcher2 (<a href="#">TZC002B</a>).</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>
<b>Affinity</b>	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.
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	<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 <a href="http://bio-rad.com/en-us/trademarks">bio-rad.com/en-us/trademarks</a> for details.</p> <p>His-tag is a trademark of EMD Biosciences.</p>
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #20479 available at: <a href="https://www.bio-rad-antibodies.com/SDS/TZA098B">https://www.bio-rad-antibodies.com/SDS/TZA098B</a></p> <p>20479</p>
<b>Licensed Use</b>	For <i>in vitro</i> research purposes only, unless otherwise specified in writing by Bio-Rad.
<b>Regulatory</b>	For research purposes only
<b>Technical Advice</b>	<p>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></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 \(Fc\) \(HCA285\)](#)

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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](https://bio-rad-antibodies.com/datasheets)

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