

Datasheet: TZA038

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|----------------------|----------------------|
| Description: | HUMAN ANTI RAT IgG2b |
| Specificity: | IgG2b |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | AbD41333 |
| 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 | ▪ | | | |
| Western Blotting | ▪ | | | |

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

Rat

Product Form

A monovalent human recombinant Fab (lambda light chain) selected from the HuCAL® phage display library, expressed in *E. coli* strain. The antibody is tagged with a DYKDDDDK tag, a SpyTag version 2 (VPTIVMVDAYKRYK) and a His-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

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|--------------------------------------|---|
| Immunogen | Recombinant human/rat IgG2b chimera |
| External Database Links | UniProt: P20761 Related reagents |
| Specificity | Human anti rat IgG2b antibody, clone AbD41333 recognizes rat IgG2b. No cross-reactivity is seen with other rat immunoglobulin subclasses. The monovalent Fab format of this antibody (TZA038) is tagged with a SpyTag at the C-terminus of the Fab heavy chain, enabling the user to couple it to a SpyCatcher reagent for conversion to alternative formats in less than an hour. Human anti rat IgG2b, clone AbD41333 is also available as a bivalent Fab antibody already coupled to HRP (TZA038P). |
| 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 |
| Acknowledgements | 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 His-tag is a registered trademark of EMD Biosciences |
| Health And Safety Information | Material Safety Datasheet documentation #20479 available at: https://www.bio-rad-antibodies.com/SDS/TZA038 20479 |
| 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 |

Related Products

Recommended Useful Reagents

[SpyTag3 PEPTIDE \(BLP086\)](#)

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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
'M428824:240301'

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