

Datasheet: TZA037P

BATCH NUMBER 164343

Description:	HUMAN ANTI RAT IgG2a:HRP
Specificity:	IgG2a
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	AbD41049
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 bivalent human recombinant Fab (kappa light chain) generated by coupling of the monovalent SpyTagged Fab [TZA037](#) with a HRP conjugated BiSpyCatcher version 2. The coupled antibody has two DYKDDDDK tags and three His6-tags. It contains SpyTag3 peptide ([BLP086](#)) in 5-fold molar excess to block any unreacted Catcher sites. 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/rat IgG2a chimera
External Database Links	UniProt: P20760 Related reagents Entrez Gene: 679045 LOC679045 Related reagents
Specificity	Human anti rat IgG2a antibody, clone AbD41049 recognizes rat IgG2a. No cross-reactivity is seen with other rat immunoglobulin subclasses. The monovalent Fab format of this antibody (TZA037) 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 IgG2a, clone AbD41049 is also available as a bivalent Fab antibody already coupled to HRP (TZA037P).
Storage	This product is shipped frozen. When ready to use, thaw and aliquot the sample as needed. Store aliquots at -70°C, if available, otherwise store at -20°C. It is not recommended to keep aliquots at 4°C for more than one week.
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/TZA037P
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

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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