

Datasheet: HCA379

BATCH NUMBER 162794

Description:	ANTI SpyCatcher
Specificity:	SPYCATCHER
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD41909kg
Isotype:	IgG
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
Flow Cytometry	▪			1/100 - 1/1,000
ELISA	▪			1/10,000 - 1/20,000
Western Blotting	▪			1/10,000 - 1/20,000

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	Synthetic Peptide
Product Form	Recombinant chimeric human/rabbit IgG antibody (lambda light chain) selected from the HuCAL® phage display library and expressed in a human cell line. In this antibody, the VH-CH1 regions and light chains are human while the Fc region is derived from rabbit IgG. This antibody is supplied as a liquid.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	Antibody concentration 1.0 mg/ml

Immunogen	SpyCatcher
Specificity	<p>Anti-SpyCatcher Antibody, clone AbD41909kg is a chimeric antibody comprising a human Fab portion and a rabbit Fc domain, which specifically binds to SpyCatcher protein with high affinity. SpyCatcher is used for protein ligation in combination with the SpyTag (Zakeri et al. 2012). SpyCatcher is derived from the second immunoglobulin-like collagen adhesin domain (CnaB2) from the fibronectin binding protein (FbaB) of <i>Streptococcus pyogenes</i>.</p> <p>Anti-SpyCatcher Antibody binds to the original SpyCatcher as well as the optimized derivatives SpyCatcher2 (Keeble et al. 2017) and SpyCatcher3 (Keeble et al. 2019). It recognizes the SpyCatcher variants in uncoupled form as well as when coupled to the SpyTag peptide or to fusion proteins with C-terminally fused SpyTag. N-terminal fusions were not tested.</p> <p>View a summary of SpyCatcher products</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul
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	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.
Health And Safety Information	Material Safety Datasheet documentation #10094 available at: https://www.bio-rad-antibodies.com/SDS/HCA379 10094
Regulatory	For research purposes only
Technical Advice	For further information about recombinant antibodies incorporating SpyTag technology visit SpyTag and SpyCatcher Products

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Recommended Useful Reagents

[SpyCatcher2 \(TZC001\)](#)

[BiSpyCatcher2 \(TZC002\)](#)
[SpyCatcher2-CYS \(TZC001CYS\)](#)
[BiSpyCatcher2-CYS \(TZC002CYS\)](#)
[BiSpyCatcher2-CYS3 \(TZC002CYS3\)](#)
[HUMAN IgG1-FcSpyCatcher3 \(TZC009\)](#)
[MOUSE IgG2a-FcSpyCatcher3 \(TZC012\)](#)
[RABBIT IgG-FcSpyCatcher3 \(TZC013\)](#)
[HUMAN IgG2-FcSpyCatcher3 \(TZC016\)](#)
[HUMAN IgG3-FcSpyCatcher3 \(TZC017\)](#)
[HUMAN IgG4-FcSpyCatcher3 \(TZC018\)](#)
[HUMAN IgG4-Pro-FcSpyCatcher3 \(TZC019\)](#)
[HUMAN IgA-FcSpyCatcher3 \(TZC020\)](#)
[SpyCatcher3 \(TZC025\)](#)
[SpyCatcher3-CYS \(TZC025CYS\)](#)
[HISPEC ASSAY DILUENT \(BUF049A\)](#)

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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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