

## Datasheet: HCA379

<b>Description:</b>	ANTI SpyCatcher
<b>Specificity:</b>	SPYCATCHER
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD41909kg
<b>Isotype:</b>	IgG
<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
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.

<b>Target Species</b>	Synthetic Peptide
<b>Product Form</b>	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.
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Source</b>	HKB-11
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein</b>	Antibody concentration 1.0 mg/ml

## Concentrations

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**Immunogen** SpyCatcher

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**Specificity** **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 *Streptococcus pyogenes*.

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.

[View a summary of SpyCatcher products](#)

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**Flow Cytometry** Use 10µl of the suggested working dilution to label 1x10<sup>6</sup> cells in 100µl

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**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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/HCA379>  
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**Regulatory** For research purposes only

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**Technical Advice** For further information about recombinant antibodies incorporating SpyTag technology visit [SpyTag and SpyCatcher Products](#).

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

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