

Datasheet: HCA406

Description:	ANTI SpyTag
Specificity:	SPYTAG
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD51767kg
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
ELISA	▪			1/10,000 - 1/20,000
Western Blotting	▪			1/5,000 - 1/10,000

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
Source	HKB-11
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	Antibody concentration 1.0 mg/ml

Immunogen	SpyTag version 1 and 2
Specificity	<p>Anti-SpyTag Antibody, clone AbD51767kg is a chimeric antibody comprising a human Fab portion and a rabbit Fc domain, which specifically binds to SpyTag protein with high affinity. SpyTag is a 13 amino acid peptide tag deriving from the second immunoglobulin-like collagen adhesin domain (CnaB2) from the fibronectin binding protein (FbaB) of <i>Streptococcus pyogenes</i> and mainly used for protein ligation in combination with the SpyCatcher (Zakeri et al. 2012).</p> <p>Anti-SpyTag Antibody binds to the original SpyTag as well as the optimized derivatives SpyTag2 (Keeble et al. 2017) and SpyTag3 (Keeble et al. 2019). It recognizes the SpyTag variants in uncoupled form when fused to both N-terminal or C-terminal end of the target protein. The anti-SpyTag Antibody has been shown to not react with any SpyCatcher variants nor with <i>E.coli</i> lysate. Only residual detection of SpyTag ligated to SpyCatchers was observed in ELISA.</p>
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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA406 10040
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 Positive Controls

[HuCAL Fab-F-Spy2-H NEGATIVE CONTROL ANTIBODY \(TZA003\)](#)

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

Recommended Useful Reagents

[ANTI SpyCatcher \(HCA379\)](#)

[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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