Datasheet: HCA406P

BATCH NUMBER 172748

Description:	ANTI SpyTag:HRP
Specificity:	SPYTAG
Format:	HRP
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	▪			
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

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 conjugated to Horseradish Peroxidase (HRP).

Preparation

Purified IgG prepared by affinity chromatography on Protein A

Source

HKB-11

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.0095% MIT

Approx. Protein Concentrations	Antibody concentration 1.0 mg/ml
Immunogen	SpyTag version 1 and 2
Specificity	**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 *Streptococcus pyogenes* and mainly used for protein ligation in combination with the SpyCatcher (Zakeri *et al.* 2012). 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 *E.coli* lysate. Only residual detection of SpyTag ligated to SpyCatchers was observed in ELISA.
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. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.
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 #20479 available at: https://www.bio-rad-antibodies.com/SDS/HCA406P
Regulatory	For research purposes only
Technical Advice	For further information about recombinant antibodies incorporating SpyTag technology visit SpyTag and SpyCatcher Products.

Related Products

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)
ANTI SpyTag (HCA406)

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
'M442137:250528'

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