Datasheet: BLP086

BATCH NUMBER 170606

Description:	SpyTag3 PEPTIDE
Name:	SPYTAG3 PEPTIDE
Format:	Purified
Product Type:	Blocking Peptide
Quantity:	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
Immunoassay	▪			

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	Protein/peptide tag
Product Form	Purified peptide - liquid
Source	Chemical synthesis
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	1 mM (1.93 mg/ml)

Product Information

The SpyTag3 peptide is provided as a blocking peptide for use with antibodies ligated to SpyCatcher, BiCatcher and FcCatcher products. SpyTag3 peptide binds to excess SpyCatcher sites that have not reacted with an antibody during ligation. The blocking peptide will bind to SpyCatcher versions 1, 2 and 3.

A recombinant antibody or any other protein with a SpyTag can be ligated to one of our

	many prefabricated SpyCatcher protein modules. The reaction between SpyTag and SpyCatcher requires only mixing and a short incubation. If the ligation reaction mixture contains an excess of the SpyCatcher partner, unreacted SpyCatcher sites remaining in the reaction mixture could interfere with other assay components and generate background signal. This can be prevented by the addition of SpyTag3 peptide to the final coupled antibody or protein preparation to block unreacted SpyCatcher sites. It is recommended to use a 2.5-fold molar excess of SpyTag3 peptide over SpyCatcher sites, i.e. 2.5-fold excess for SpyCatcher-coupled antibodies and 5-fold excess for BiCatcher- and FcCatcher-coupled antibodies and incubate for at least 5 minutes. Visit bio-rad-antibodies.com/SpyCatcher for further information.
Purity	>90% by RP-HPLC
Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Acknowledgements	Sold under license of patent and patent applications, including but not limited to the international PCT application PCT/GB2018/051065, the European patent EP2534484B1, UK patent GB1706430.4, the US patents US9,547,003, US10,247,727, US patent application US16/274908 and corresponding patents
Health And Safety Information	Material Safety Datasheet documentation #10209 available at: https://www.bio-rad-antibodies.com/SDS/BLP086
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

SpyCatcher2 (TZC001)
SpyCatcher2-CYS (TZC001CYS)
BiSpyCatcher2 (TZC002)
BiSpyCatcher2:Biotin (TZC002B)
BiSpyCatcher2-CYS (TZC002CYS)
BiSpyCatcher2-CYS3 (TZC002CYS3)
BiSpyCatcher2:HRP (TZC002P)
SpyCatcher3 (TZC025)
SpyCatcher3-CYS (TZC025CYS)
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)

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
'M416579:230302'

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