

Datasheet: TZC018

Description:	HUMAN IgG4-FcSpyCatcher3
Name:	HUMAN IgG4-FcSPYCATCHER3
Format:	Catcher
Product Type:	Recombinant Protein
Quantity:	0.5 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 <u>www.bio-rad-antibodies.com/protocols</u> .						
	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 recombinant pro	tein - Liqu	id				
Preparation	Recombinant protein expressed in mammalian cell line and purified by affinity chromatography						
Source	НКВ-11						
Buffer Solution	Phosphate buffered salir	ie					
Preservative Stabilisers	0.0095% MIT						
Approx. Protein Concentrations	80 μM (6.1 mg/ml)						
Product Information	Human IgG4-FcSpyCat 2019) fused to the hinge resulting in a 76.5 kDa p can form a stable covale	region, C rotein for	H2 and C the disulfi	H3 of human IgG4 (<u>He</u> de-bridged dimer. Eac	<u>entrich <i>et al.</i> 2020</u>), h SpyCatcher3 subunit		

The reaction occurs spontaneously on mixing, is rapid, irreversible, high-yielding and shows good specificity. The reaction is robust at pH 5 to 8, at temperatures from +4°C to +37°C, in various buffer conditions (Ca2⁺/Mg2⁺ not needed) and in the presence of detergents. The reaction also occurs inside cells (*in vivo*). Since the speed of the coupling reaction is concentration dependent, it is recommended to use hlgG4-FcCatcher3 undiluted.

Human IgG4-FcSpyCatcher3 is compatible with Bio-Rad's recombinant HuCAL antibodies with a SpyTag2 at the C-terminus of the heavy chain.

Download FcSpyCatcher coupling protocol

A human IgG4-Pro-FcSpyCatcher3 (<u>TZC019</u>) is available with a mutation S228P in the core hinge region that prevents the formation of IgG4 half molecules.

View all available Catchers

Protein Molecular Weight	Predicted 76494 Da	
Purity	≥90% determined by SDS-PAGE under reducing conditions ar blue staining	nd visualized by coomassie
Instructions For Use	View FcSpyCatcher Coupling Protocol	
Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freeze denature the protein. Should this product contain a precipitate microcentrifugation before use.	• • •
Guarantee	12 months from date of despatch	
Acknowledgements	This product and/or its use is covered by claims of U.S. patent non-U.S. patent applications owned by or under license to Bio bio-rad.com/en-us/trademarks for details.	
Health And Safety Information	Material Safety Datasheet documentation #20480 available at: https://www.bio-rad-antibodies.com/SDS/TZC018 20480	
Licensed Use	For <i>in vitro</i> research purposes. Any re-sale in any form or any application needs a written agreement with Bio-Rad.	other commercial
Regulatory	For research purposes only	

Related Products

Recommended Useful Reagents

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America	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio	-rad.com	Email: antibody_sales_uk@bio	o-rad.com	Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M438117:250325'

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