

Datasheet: LNK034APC BATCH NUMBER 158352

Description:	LYNX RAPID APC ANTIBODY CONJUGATION KIT		
Name:	APC CONJUGATION KIT		
Format:	Kit		
Product Type:	Conjugation Kit		
Quantity: 3 CONJUGATIONS for 10µg antibody			

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-</u> rad-antibodies.com/protocols.										
								Yes	No	Not Determined	Suggested Dilution
								Conjugation			
		We recommend that for each conjugation the user determines the best antibody:conjugate ratio.									
Product Information	LYNX Rapid APC Antibody Conjugation Kit ® enables the rapid conjugation of a pre-prepared lyophilized mixture containing Allophycocyanin (APC) label to an antibody or protein. Activation of proprietary reagents within the antibody-label solution results in directional covalent bonding of APC to the antibody.										
	The LYNX Rapid Conjugation kit® can be used to label small quantities of antibody/protein at near neutral pH, allowing a high conjugation efficiency with 100% antibody recovery.										
Reagents In The Kit	3 Vials of 10ug LYNX lyophilized APC mix										
	1 Vial LYNX Modifier reagent										
	1 Vial LYNX Quencher re	eagent									
Preparing The Antibody	The following buffer solutions are recommended for preparing the antibody:										
	10-50mM amine-free buffer (e.g HEPES, MES, MOPS and phosphate) pH range 6.5-8.5, although moderate concentrations of Tris buffer (<20mM) may be tolerated.										
	If possible, avoid buffers containing nucleophilic components such as primary amines and thiols (e.g. thiomersal/thimerosal) since they may react with LYNX										

chemicals. Azide (0.02-0.1%), EDTA, up to 50% Glycerol and common non-buffering salts and sugars have little or no effect on conjugation efficiency. For optimal results the antibody should be at a concentration of 1mg/ml, with a maximum volume of 10ul and a maximum antibody amount of 10ug. Antibody at a concentration of greater than 1mg/ml requires dilution. Antibody below 1mg/ml can still be used as long as the maximum volume is not exceeded. Using less than the recommended amount of antibody may result in unbound label, but this will be removed during subsequent application wash steps. Antibody below 0.5mg/ml should be concentrated before use with the kit. Instructions For Use 1. To the antibody sample add 1ul of the Modifier reagent for every 10ul of antibody and mix gently. 2. Pipette the mixed antibody-modifier sample directly onto the LYNX lyophilized mix and gently pipette up and down twice to resuspend. 3. Replace cap onto vial and incubate in the dark at room temperature (20-25°C) for 3 hours, or overnight if preferred. 4. After incubation, add 1ul of Quencher reagent for every 10ul of antibody used. Leave to stand for 30 minutes before use. References 1. Wang, Y. et al. (2010) Local host response to chlamydial urethral infection in male guinea pigs. Infect Immun.78: 1670-81. 2. Lacy, H.M. et al. (2011) Essential Role for Neutrophils in Pathogenesis and Adaptive Immunity in Chlamydia caviae Ocular Infections. Infect Immun. 79: 1889-97 3. Paget, C. et al. (2012) Interleukin-22 is produced by invariant natural killer T lymphocytes during influenza A virus infection: potential role in protection against lung epithelial damage. J Biol Chem. 287: 8816-29. 4. Seliger, C. et al. (2011) A rapid high-precision flow cytometry based technique for total white blood cell counting in chickens. Vet Immunol Immunopathol. 145: 86-99. 5. Fu, Y. et al. (2014) Development of a FACS-based assay for evaluating antiviral potency of compound in dengue infected peripheral blood mononuclear cells. J Virol Methods. 196: 18-24. 6. TraxImayr, M.W. et al. (2014) Construction of pH-sensitive Her2-binding IgG1-Fc by directed evolution. Biotechnol J. 9: 1013-22. 7. Wielgosz, M.M. et al. (2015) Generation of a lentiviral vector producer cell clone for human Wiskott-Aldrich syndrome gene therapy. Mol Ther Methods Clin Dev. 2: 14063. 8. Hofer, C.C. et al. (2015) Infection of Mice with Influenza A/WSN/33 (H1N1) Virus Alters Alveolar Type II Cell Phenotype. Am J Physiol Lung Cell Mol Physiol. ajplung.00373.2014. 9. Poh, C.M. et al. (2014) Damage to the blood-brain barrier during experimental cerebral malaria results from synergistic effects of CD8+ T cells with different specificities. Infect Immun. 82: 4854-64. 10. Hasenhindl, C. et al. (2014) Creating stable stem regions for loop elongation in Fcabs - insights from combining yeast surface display, in silico loop reconstruction and molecular

To find a b	atch/lot spec	ific datasheet for this produ	uct, please use our online search tool 'M379639:210331'	at: bio-rad-antibodies.com/datasheets
North & South Tel: +1 800 265 7376 Worldwide America Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com		5 7376 Worldwide 78 3751 y_sales_us@bio-rad.com	Tel: +44 (0)1865 852 700 Europe Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
Regulato	ory	For research purpose	s only	
Licensed	1 Use	These products and the Kingdom patent number purchase of this produ- right (without the right use the product to man purchaser cannot sell data made using this purchasing licenses for at. Endeavour House, 1GE UNITED KINGDO	ne methodology of conjugation are ber 2446088 and associated interr act conveys to the buyer the limite to resell repackage or further sub ke conjugates for research and de or otherwise transfer this product product, or its components to a th or diagnostic and other uses may Langford Business Park, Langfor OM. Tel: +44 1865 852 700. E-ma	e patent protected under United national patent applications. The d, non exclusive non-transferable plicense) under these patents to evelopment purposes only. The , or its components, or materials or ird party. Further information on be obtained by contacting Bio-Rad, rd Lane, Kidlington, Oxon. OX5 il: <u>antibodies@bio-rad.com</u>
Health A Informat	nd Safety ion	Material Safety Datas <u>https://www.bio-rad-ar</u> Lyophilized APC Mix (Modifier Reagent (105 Quencher Reagent (1	heet documentation #10532 #105 htibodies.com/SDS/LNK034APC 10532) 546) 0548)	46 #10548 available at:
Guarante	90	12 months from date of	of despatch	
Storage		Store kit at -20°C only Newly-conjugated ant addition of a preserva Storage in frost-free fr This product should b Avoid repeated freezin	v. ibody can be stored at 4 ^o C. For lo tive is recommended. reezers is not recommended. e stored undiluted. ng and thawing.	ong term storage however, the
		11. Ward, S.T. <i>et al.</i> (2 cancer. <u>BMC Cancer.</u> 12. Schuh, C.M. <i>et al.</i> improves schwann ce 13. Hercher, D. <i>et al.</i> (diminished by extraco <u>32-43.</u>	2016) Evaluation of serum and tise <u>16 (1): 154.</u> (2016) Covalent binding of place Il adhesion and proliferation. <u>J Ma</u> (2020) Motor and sensory Schwar rporeal shockwave treatment <i>in v</i> a	sue levels of VAP-1 in colorectal ntal derived proteins to silk fibroin <u>iter Sci Mater Med. 27 (12): 188.</u> nn cell phenotype commitment is <i>itro.</i> . <u>J Peripher Nerv Syst. 25 (1):</u>

© 2024 Bio-Rad Laboratories Inc | Legal | Imprint