

Datasheet: LNK023RPE BATCH NUMBER 166983

Description:	LYNX RAPID RPE	ANTIBO	DY CONJ	IUGATION KIT		
Name:	RPE CONJUGATI	ON KIT				
Format:	Kit					
Product Type:	Conjugation Kit					
Quantity:	1 CONJUGATION	1 CONJUGATION for 600µg 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-rad-antibodies.com/protocols</u> .					
		Yes	No	Not Determined	Suggested Dilution	
	Conjugation	-				
Product Information	ratio. LYNX Rapid RPE Anitbody Conjugation Kit® enables the rapid conjugation of a pre-prepared lyophilized mixture containing R-Phycoerythrin (RPE) label to an antibody or protein. Activation of proprietary reagents within the antibody-label solution results in directional covalent bonding of RPE 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	1 Vial of 1mg LYNX lyophilized RPE mix 1 Vial LYNX Modifier reagent 1 Vial LYNX Quencher reagent					
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 buffer	rs contai	ning nuc	leophilic component	s such as primary	

	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.
	Due to the large size of RPE (240kDa), it is recommended that 50-60ug of antibody be used for every 100ug RPE, to ensure a slight RPE molar excess. For optimal results the antibody should be at a concentration of 1mg/ml, with a maximum volume of 600ul and a maximum antibody amount of 600ug. 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 ^o 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	 Li, X. <i>et al.</i> (2010) Design of a potent CD1d-binding NKT cell ligand as a vaccine adjuvant. Proc Natl Acad Sci U S A. 107: 13010-5. Campbell, J.E. <i>et al.</i> (2010) Cellular regulation of blood coagulation: a model for venous stasis. Blood. 116: 6082-91. Tighe, R.M. <i>et al.</i> (2011) Ozone Inhalation Promotes CX3CR1-Dependent Maturation of Resident Lung Macrophages That Limit Oxidative Stress and Inflammation. J Immunol. 187: 4800-8. Dutertre, C.A. <i>et al.</i> (2008) A novel subset of NK cells expressing high levels of inhibitory FcgammaRIIB modulating antibody-dependent function. J Leukoc Biol. 84: 1511-20. Wielgosz, M.M. <i>et al.</i> (2015) Generation of a lentiviral vector producer cell clone for human Wiskott-Aldrich syndrome gene therapy. Mol Ther Methods Clin Dev. 2: 14063. Hofer, C.C. <i>et al.</i> (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. Welinder, C. <i>et al.</i> (2015) Cytokeratin 20 improves the detection of circulating tumor cells in patients with colorectal cancer. Cancer Lett. 358:43-6. Shive, C.L. <i>et al.</i> (2016) RAGE-mediated inflammation in patients with septic shock. J Surg Res. 202 (2): 315-27. Attatippaholkun, N. <i>et al.</i> (2017) Dengue Virus and Its Relation to Human Glycoprotein

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Regulato	ory	For research purposes	s only		
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Health A Informat	and Safety tion	Material Safety Datasheet documentation #10531 #10546 #10548 available at: https://www.bio-rad-antibodies.com/SDS/LNK023RPE Lyophilized RPE Mix (10531) Modifier Reagent (10546) Quencher Reagent (10548)			
Guarante	ee	12 months from date of	of despatch		
Storage		is shipped under ambi receipt, Bio-Rad recor Storage in frost-free fr undiluted. Avoid repea	ilized hygroscopic components that ient conditions with silica packets to mmend that the kit is stored at -20° reezers is not recommended.This p ated freezing and thawing. Before c ure to minimize condensation.	o avoid exposure to moisture. Or C and protected from moisture. product should be stored	
		flow cytometry can be and detergent lysis. J 12. Jax, E. <i>et al.</i> (2023 Cytometry-Based Diffe 13. Haach, V. <i>et al.</i> (2)	 22) Lipid-based strategies used to confounded by lipoproteins: Evalu <u>Extracell Vesicles. 11 (4): e12200.</u> 3) Evaluating Effects of AIV Infection erential Blood Count. <u>Microbiol Spectra</u> 023) A polyvalent virosomal influency in pigs. <u>Virol J. 20 (1): 181.</u> 	ations of annexin V, lactadherin, on Status on Ducks Using a Flow <u>ectr. 11 (4): e0435122.</u>	