

Datasheet: LNK024RPE BATCH NUMBER 163438

Description:	LYNX RAPID	RPE ANTIBO	DY CON	JUGATION KIT		
Name:	RPE CONJUG	GATION KIT				
Format:	Kit					
Product Type:	Conjugation K	it				
Quantity:	3 CONJUGAT	IONS for 10µ	g antibod	у		
Product Details						
Applications	This product has bee	en reported to	work in t	he following applicatio	ns. This information is	
	communications from	n the originato eral protocol r	ors. Pleas	peer-reviewed publica e refer to references in ndations, please visit <u>v</u>	ndicated for further	
		Yes	No	Not Determined	Suggested Dilution	
	Conjugation	•				
Product Information	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	3 Vials of 10ug LYNX 1 Vial LYNX Modifier 1 Vial LYNX Quench	reagent	RPE mix			
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.					
	lf possible, avoid bi	uffers contai	nina nuc	laanhilia aamnanant	a auch ao 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), the quantity of RPE is in slight molar excess. Approximately 10ug of IgG will give a 1:1 molar ratio of antibody:RPE. 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 ^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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Quencher Neagent (10340)
Modifier Reagent (10546) Quencher Reagent (10548)
Lyophilized RPE Mix (10531)
Material Safety Datasheet documentation #10531 #10546 #10548 available at: https://www.bio-rad-antibodies.com/SDS/LNK024RPE
12 months from date of despatch
reach room temperature to minimize condensation.
undiluted. Avoid repeated freezing and thawing. Before opening, allow the components to
Storage in frost-free freezers is not recommended. This product should be stored
receipt, Bio-Rad recommend that the kit is stored at -20°C and protected from moisture.
This kit contains lyophilized hygroscopic components that are moisture-sensitive. This kit is shipped under ambient conditions with silica packets to avoid exposure to moisture. Or
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