

## 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<br>eral protocol r | ors. Pleas | peer-reviewed publica<br>e refer to references in<br>ndations, please visit <u>v</u> | ndicated for further    |  |
|                           |  | Yes                                | No         | Not Determined   | Suggested Dilution      |  |
|                           | Conjugation  | •                                  |            |  |                         |  |
| Product Information       | <b>LYNX Rapid RPE Anitbody Conjugation Kit</b> ® 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<br>1 Vial LYNX Modifier<br>1 Vial LYNX Quench   | reagent                            | RPE mix    |  |                         |  |
| Preparing The<br>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       |  |

|                      | <b>chemicals</b> . 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.<br>Approximately 10ug of IgG will give a 1:1 molar ratio of antibody:RPE. For optimal results<br>the antibody should be at a concentration of 1mg/ml, with a maximum volume of 10ul and<br>a maximum antibody amount of 10ug. Antibody at a concentration of greater than 1mg/ml<br>requires dilution. Antibody below 1mg/ml can still be used as long as the maximum<br>volume is not exceeded. Using less than the recommended amount of antibody may result<br>in unbound label, but this will be removed during subsequent application wash steps.<br>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 <sup>o</sup> 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           | <ol> <li>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.</li> <li>Campbell, J.E. <i>et al.</i> (2010) Cellular regulation of blood coagulation: a model for venous stasis. Blood. 116: 6082-91.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>Shive, C.L. <i>et al.</i> (2016) RAGE-mediated inflammation in patients with septic shock. J Surg Res. 202 (2): 315-27.</li> <li>Attatippaholkun, N. <i>et al.</i> (2017) Dengue Virus and Its Relation to Human Glycoprotein</li> </ol> |

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| Quencher Neagent (10340)   |
| Modifier Reagent (10546)<br>Quencher Reagent (10548)   |
| Lyophilized RPE Mix (10531)  |
| Material Safety Datasheet documentation #10531 #10546 #10548 available at:<br>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   |
| oncogenic avian herpesvirus. <u>mBio. 15 (8): e0031524.</u>  |
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| 11. Botha, J. et al. (2022) Lipid-based strategies used to identify extracellular vesicles in  |
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