

R-Phycoerythrin Antibody Conjugation Kit

Cat No: BIOK1969

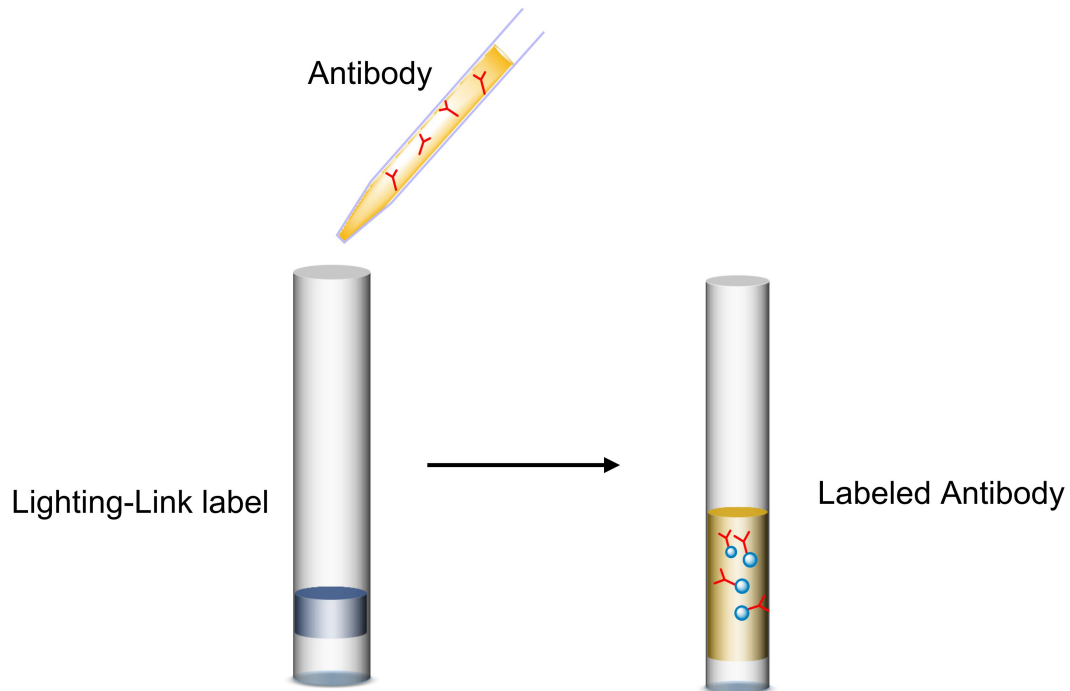
Description

Phycoerythrin (R-Phycoerythrin, R-PE) is separated and purified from red algae. It is a new type of fluorescent labeling reagent commonly used at present. The excitation wavelength is 564nm and the emission wavelength is 578nm. It is used for multi-label flow technology and biochip detection. It has the characteristics of stable properties, high fluorescence quantum yield, low background interference, and easy cross-linking with macromolecules such as biotin antibodies and glycoproteins. The new generation of fluorescent probes can replace isotopes and enzymes as markers in clinical diagnosis, immunology, molecular biology, etc.

Biotyscience' R-PE antibody labeling kit is used for rapid labeling of R-PE and antibodies. The labeling can be completed within 4 hours. The operation is simple. At least 100ug of antibody can be labeled. 100% of the sample is recovered. The labeled product is stable between batches. Good repeatability.

PRODUCT INFORMATION

Components	500ug	1mg	Preservation conditions
Lightning-Link label (Lyophilized)	1 vial	1 vial	-20℃, Protect from light
LL-Modifier reagent	100ul	150ul	-20℃, Protect from light
LL-Quencher reagent	100ul	150ul	-20℃, Protect from light



Steps

1. Antibody preparation

1.1. Antibody is in liquid state, dissolved in $1\times$ PBS, concentration 1mg/ml

Note: If necessary, the antibody needs to be dialyzed again or passed through a desalting column for accurate protein quantification

2. Antibody labeling

1. 按照比例：100ul 抗体（100ug）加入 10ul LL-Modifier，混匀。
2. 混合后的抗体加入对应标记量的 Lightning-Link label 干粉中，室温避光反应 3h 或者过夜。
3. 按照比例：100ul 抗体（100ug）加入 10ul LL-Quencher，混匀，反应 30min 后完成标记。
4. 2-8℃避光保存，不要冻存。抗体可以直接使用，无需再添加其他成分。

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