

## R-Phycoerythrin Antibody Conjugation Kit

Cat No: BLOK1969

### 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

Lightning-Link label	1 vial ( Protect from light )
LL-Modifier reagent	100ul
LL-Quencher reagent	100ul

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## 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. According to the ratio: 100ul antibody (100ug) add 10ul LL-Modifier and mix well.
2. Add the mixed antibody to the corresponding labeled amount of Lightning-Link label dry powder, and react in the dark at room temperature for 3 hours or overnight.
3. According to the ratio: add 100ul antibody (100ug) to 10ul LL-Quencher, mix well, and complete the labeling after reacting for 30 minutes.
4. Store at  $2-8^{\circ}\text{C}$  in the dark, do not freeze. The antibody can be used directly without adding other ingredients.

## Contact Us

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