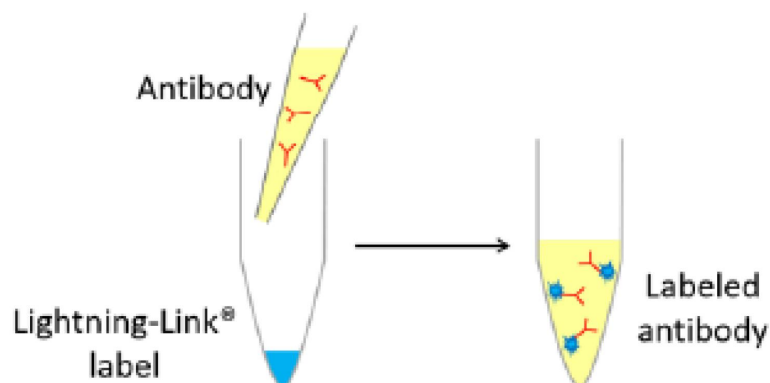


## APC Conjugation Kit

### Description

Allophycocyanin (APC) is a phycobiliprotein isolated from blue-green Spirulina with a molecular weight of 104kDa, an excitation wavelength of 650nm, and an emission wavelength of 660nm. 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, easy to cross-link with biotin antibodies and glycoproteins and other macromolecules. It is used as a new generation of fluorescent probes. Clinical diagnosis, immunology, molecular biology, etc. can replace isotopes and enzymes as markers.

Bioss's APC antibody labeling kit is used for the rapid labeling of APC and antibody, which can make the labeling completed within 4 hours. It is easy to operate, at least 100ug of antibody can be labeled, 100% of the sample is recovered, and the labeled product is stable between batches and has good repeatability.



## PRODUCT INFORMATION

Components	100ug	500ug	1mg	Preservation conditions
Modified APC (Lyophilized)	1 vial	1 vial	1 vial	-20℃, Protect from light
Linking Reagent	1 vial	1 vial	1 vial	-20℃, Protect from light
Storage Buffer	100ul	100ul	150ul	-20℃, Protect from light
Ultrafiltration vial (MWCO=10KDa)	2 each	2 each	2 each	RT

Antibody is in liquid state, dissolved in 1×PBS, concentration 1mg/ml.

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

## Steps

1. 抗体浓度 1mg/ml 是较合适的标记浓度。如果抗体是冻干形式或浓度更高，用 1×PBS(pH7.4)溶解或稀释。
2. 将 Linkng Reagent 恢复至室温。短暂离心试剂管将粉末集中到底部。
3. 将抗体（1mg/ml）转移至 Linkng Reagent 管中，溶解混匀，室温反应 1h。
4. 将反应后的抗体溶液全部转移至超滤管中，额外补充 200ul 1×PBS(pH7.4)，14000g 离心 2min。抗体将留存在超滤管中，丢弃收集管中的液体。重复清洗一次。
5. 将上述超滤后的抗体转移至新的管中，补充适量 1×PBS(pH7.4)，根据反应抗体的量，将抗体重新定容至1mg/ml。
6. 将新定量的抗体转移至 Modified APC 管中溶解混匀，室温避光反应 4h。
7. 向上步反应液中加入 1/10 体积的 Storage Buffer，混匀，室温避光静置 1h

即可保存或直接用于染色。

8. 建议标记好的抗体置于 2-8℃避光保存，不要冻存。如需-20℃保存，则需另外加入等体积甘油。一定要避免反复冻融。

## Contact Us

**Beijing Biotyscience Co. Ltd.**

**QQ:** 499854788

82458988

**WeChat:** 13681256816; 15511114213

**Email:** info@biotyscience.com

**Tel:** 400-669-8850

15511114213; 13681256816