Glowing products for science

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Allophycocyanin (APC), Cross-linked Lyophilized Solid, Ammonium-Free



High-quality allophycocyanin (APC) in a lyophilized format. Provided in a ammonium-free and ready-to-use format for conjugation reactions.

Product attributes

Product Description

Allophycocyanin (APC) is a highly stable and soluble fluorescent phycobiliprotein from red algae. Phycobiliproteins have exceptional fluorescence characteristics due to their biological role as light harvesters in cyanobacteria and certain algae. For this reason, phycobiliproteins like APC are commonly used to generate fluorescent probes through covalent conjugation to proteins and antibodies.

- Lyophilized, high-quality APC
- MW: ~105,000
- Absorption/Emission: 651/660 nm
- Convenient ammonium-free format, ready-to-use for conjugation

Ammonium sulfate is typically added as a stabilizer in most commercial APC products. However, under conditions commonly used for bioconjugation, ammonium will be converted to ammonia that can interfere with the labeling. Biotium's APC is provided in a convenient lyophilized and ammonium-free format that is read-to-use for conjugation reactions.

Biotium also offers ammonium-free R-Phycoerythrin (R-PE), as well as reactive formats of bright and photostable CF® Dyes. For streamlined and optimized antibody labeling, learn about our Mix-n-Stain™ Antibody Labeling Kits.

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