

APC-iFluor™ 700 TandemCatalog number: 2623
Unit size: 1 mg**Product Details**

Storage Conditions	Refrigerated (2-8 °C), Minimize light exposure
Expiration Date	6 months upon receiving

Chemical Properties

Appearance	Solid
Soluble In	Water

Spectral Properties

Excitation Wavelength	685 nm
Emission Wavelength	710 nm

Applications

Allophycocyanin (APC) is a phycobiliprotein isolated from *Spirulina* sp., a blue-green alga. Like other phycobiliproteins, APC is fluorescent, with an extremely high absorptivity and a high quantum efficiency. It is a protein which can be easily linked to antibodies and other proteins by conventional protein cross-linking techniques without altering its spectral characteristics. Its strong absorption at 633 nm and 647 nm makes the tandem one of the best fluorophores used with a red laser in flow cytometry applications. APC-XFD 700 has the same structure to Alexa Fluor® 700 tandem. It is a popular color used in flow cytometry. Its primary absorption peak is at 651 nm with emission peak at ~710 nm.