

APC-iFluor™ XFD Tandem

Catalog number: 2624

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

Applications

Allophycocyanin (APC) is a phycobiliprotein 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 APC tandem one of the best fluorophores used with a red laser in flow cytometry applications. Compared to the commonly used APC-Alexa Fluor® 700, APC-iFluor™ 700 gives significantly improved stain index for certain CD antibodies than APC-Alexa Fluor® 700 tandem under the same conditions. Its primary absorption peak is at 651 nm with emission peak at ~710 nm. Due to their similar spectral properties, APC-iFluor™ 700 tandem-labeled antibodies can be used to replace the corresponding APC-Alexa Fluor® 700 antibody conjugates.