

PE-Cy5 Tandem

Catalog number: 2610

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

Molecular Weight ~240000

Soluble In Water

Spectral Properties

Excitation Wavelength 565 nm

Emission Wavelength 666 nm

Applications

PE-Cy5 is a popular color used in flow cytometry. Its primary absorption peak is at 565 nm with emission peak at 666 nm. The filter sets of 682/33 nm and 695/40 nm are recommended for this tandem color. AAT Bioquest also offers a unique preactivated PE-Cy5 to facilitate the PE-Cy5 tandem conjugations to antibodies and other proteins such as streptavidin and other secondary reagents. Our preactivated PE-Cy5 tandem is ready to conjugate, giving much higher yield than the conventionally tedious SMCC-based conjugation chemistry. In addition, our preactivated PE-Cy5 tandem is conjugated to a protein via its amino group that is abundant in proteins while SMCC chemistry targets the thiol group that has to be regenerated by the reduction of antibodies.