# APC-iFluor® 705 Tandem

Catalog Number: 2640
Unit Size: 1 mg

## Product Details

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

## Chemical Properties

| | |
|---|---|
| Appearance | Solid |
| Molecular Weight | 105,000 |
| Soluble In | Water |

## Spectral Properties

| | |
|---|---|
| Excitation Wavelength | 708 nm |
| Emission Wavelength | 715 nm |

## Applications

APC-iFluor® 705 Tandem is an allophycocyanin-based tandem fluorophore designed for flow cytometry applications. Allophycocyanin (APC) is a fluorescent phycobiliprotein commonly used in flow cytometry because of its strong absorbance and compatibility with red laser excitation. In the APC-iFluor® 705 tandem format, APC functions as the donor fluorophore, while iFluor® 705 serves as the acceptor dye to generate far-red fluorescence emission.

APC-iFluor® 705 Tandem can be used to prepare fluorescent conjugates of antibodies, streptavidin, secondary reagents, and other proteins for flow cytometry workflows. Its far-red emission profile provides an additional detection option for multicolor panel design, particularly in experiments using red laser excitation. APC-iFluor® 705 Tandem is suitable for preparing protein conjugates for multicolor flow cytometry, immunophenotyping, and fluorescence-based detection applications.


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