

ReadiUse™ Preactivated PerCP MaleimideCatalog number: 2723
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	N/A
Soluble In	Water

Spectral Properties

Excitation Wavelength	477 nm
Emission Wavelength	678 nm

Applications

PerCP (Peridinin-chlorophyll-protein complex) is isolated from Dinophyceae sp. It has an extremely high extinction coefficient, a high quantum efficiency and a large Stokes shift. It is well excited with the Argon laser at 488 nm with its maximum emission peak at 677 nm. PerCP protein is commonly used for fluorescent immunolabeling, particularly in applications involving fluorescent-activated cell sorting (FACS). AAT Bioquest offers this preactivated PerCP maleimide to facilitate the PerCP-Cy5.5 tandem conjugations to reduced antibodies and other biomolecules that contain a thiol group. Our preactivated PerCP maleimide is prepared from the commonly used crosslinker SMCC, and ready to conjugate. PerCP (Peridinin-chlorophyll-protein complex) is isolated from Dinophyceae sp. Its tandem conjugates (such as PerCP-Cy5.5 and PerCP-Cy7) can be excited with a standard 488 nm laser and emits in the far red at a longer wavelength for multicolor flow cytometric analysis of cells. These multiple emission wavelengths make PerCP- Cyanine conjugates potentially useful fluorochromes for multicolor analysis with FITC, PE and other fluorochromes.