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Peridinin-Chlorophyll-protein(PerCP)

Catalog No: D-9503

Quantity Size: 5mg, 10mg

Absorbance: λmax = 482 nm

Emission: λmax = 676 nm

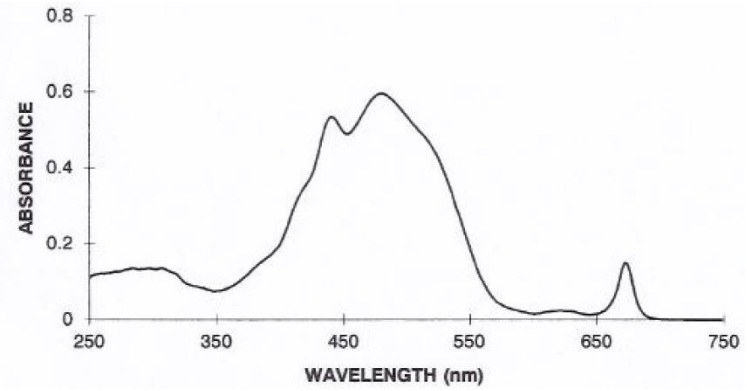
Purity: A_{482}/A_{280}＞4.0

FORMULATION: Protein solution in 50 mM Tris-HCl (pH 7.5) and 15 mM sodium azide

Concentration: 20.0 mg/ml (20 ± 0.5 mg/ml)

Storage: Store at 2-8EC in the dark. DO NOT FREEZE.

Absorbance Spectrum:



Description

Peridinin-chlorophyll-protein complex (PerCP) is isolated from Dinophyceae sp. PerCP has an extremely high absorbance, a high quantum efficiency, a large Stokes shift and a strong excitation peak at 482 nm with its maximum emission peak at 677 nm. The protein is commonly used for fluorescent immunolabeling, particularly in applications involving fluorescent-activated cell sorting (FACS).

PerCP conjugates may be used alone or with AF488 (or FITC) and R-PE for one- to three-color analyses with a single-laser flow cytometer equipped with an argon laser emiting at 488 nm. Up to four-color analyses with low compensation are easily achieved by adding APC-conjugated antibodies with 633 or 635 nm excitation provided by a dual-laser flow cytometer.