

SMCC Activated PerCP

Cat. No: GCQ0165

Technical Information

Description

PerCP (Peridinin-chlorophyll-protein complex) is isolated from Dinophyceae sp. It has a high quantum efficiency and a large Stokes shift. It is well excited at 488 nm with its maximum emission peak at 677nm. PerCP protein is commonly used for fluorescent immunolabeling, particularly in applications involving fluorescent-activated cell sorting. Its cyanine tandem conjugates (such as PerCP-Cy5.5) 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.

Form

Lyophilized powder

Molecular Weight

35 kDa

Absorption Maximum

477 nm

Emission Maximum

678 nm

Extinction Coefficient

$4.06 \times 10^5 \text{ cm}^{-1} \text{ M}^{-1}$

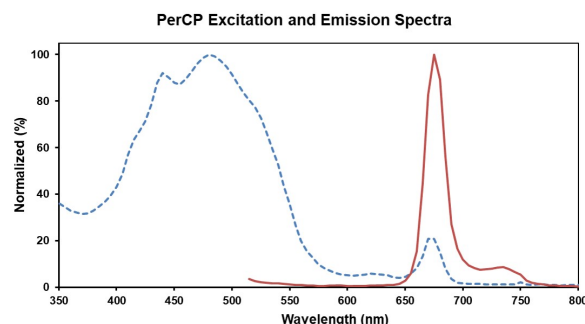
Reconstitute

Reconstitute whole bottle of SMCC-PerCP with your conjugate buffer to adjust the concentration for further use.

Buffer

Lyophilized SMCC-PerCP powder is prepared in 10 mM K-P buffer with sugar as additive. No ammonium sulfate or other material that may interfere conjugation is contained in this product.

Spectra



Ex:440;480;675 nm; Em:675 nm

Shipping & Storage Information

Storage

This product can be stored at -20°C for 6 months with shading light.

Shipping

Blue ice

For Research Use Only