

Technical Data Sheet

Lyophilized Peridinin-Chlorophyll-Protein complex (Lyo PerCP)

<u>Specification</u>	Purity	$A_{478}/A_{280} \geq 4.2$
	Impurity	$A_{620}/A_{478} \leq 0.005$
<u>Property</u>	Molecular Weight	39 kDa
	Absorption Maximum	478 nm
	Emission Maximum	675 nm
<u>Package</u>	5 mg PerCP lyophilized powder in 10 mM K-P buffer with sugar as additive.	
<u>Description</u>	Lyo PerCP is a lyophilized phycobiliprotein purified from our proprietary algae. No ammonium sulfate or other material may interfere conjugation is contained in this product.	
<u>Reconstitution</u>	Reconstitute whole bottle of Lyo PerCP (5 mg) with your conjugate buffer to adjust the concentration for further use.	
<u>Important Note</u>	<p><u>Weight:</u> One bottle of Lyo PerCP contains about 5 mg of PerCP with sugar as protective. It is not accurate to measure PerCP directly by weight. To get an accurate weight of PerCP, we recommend use its extinction coefficient as measurement (i.e. $[\text{PerCP}] = 0.086 \times A_{478}$, where $[\text{PerCP}]$ is in mg/ml and A_{478} is the absorbance at 478 nm, as long as A_{478} is in the range of 0.3 to 1.0).</p> <p><u>Usage:</u> No preservative is added in the product. Once reconstitute it, please use it as soon as possible.</p>	
<u>Storage/Usage</u>	Store Lyo PerCP in dark at 2~8°C with desiccant; if possible, in desiccant. Do not freeze. For research or further manufacturing use only.	

Excitation and Emission Spectra

