



Technical Data Sheet

Lyophilized cross-linked Allophycocyanin (Lyo cIAPC)

Specification

A₆₅₁/A₂₈₀ ≥ 4.7
A₆₅₁/A₆₂₀ ≥ 1.5
Cross linker rate ≥ 1.2

Property

Molecular Weight	105 kDa
Absorption Maximum	651 nm
Emission Maximum	662 nm

Package

5 mg cIAPC lyophilized powder in 10 mM K-P buffer with sugar as additive.

Description

Lyo cIAPC is a lyophilized phycobiliprotein purified from Febico's proprietary spirulina. It is made up of (αβ)₃ subunit structure. No ammonium sulfate or other material may interfere conjugation is contained in this product.

Reconstitution

Reconstitute whole bottle of Lyo cIAPC (5 mg) with your conjugate buffer to adjust the concentration for further use.

Important Notes

Weight: One bottle of Lyo cIAPC contains about 5 mg of cIAPC with sugar as protective. It is not accurate to measure cIAPC directly by weight. To get an accurate weight of cIAPC, we recommend use its extinction coefficient as measurement (i.e. [cIAPC]=0.14999 x A₆₅₁, where [cIAPC] is in mg/ml and A₆₅₁ is the absorbance at 651 nm, as long as A₆₅₁ is in the range of 0.3 to 0.8).

Usage: No preservative is added in the product. Once reconstitute it, please use it as soon as possible.

Storage

Store Lyo cIAPC in dark at 2~8°C with desiccant; if possible, in desiccant. Do not freeze. For research or further manufacturing use only.