

Technical Data Sheet

Flogen[®] APC (Allophycocyanin)

<u>Specification</u>	Purity	A651/A280 ≥ 5.0 A651/A620 ≥ 1.5
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<u>Property</u>	Molecular Weight	105 kDa
	Absorption Maximum	651 nm
	Emission Maximum	662 nm
	Extinction Coefficient	$7.0 \times 10^5 \text{ cm}^{-1} \text{ M}^{-1}$
	Quantum Yield	0.68

Description **Flogen[®] APC** is a phycobiliprotein purified from Febico's proprietary blue algae. **Flogen[®] APC** is supplied in 100 mM Potassium Phosphate buffer, pH7.0 with 60% Saturated (NH₄)₂SO₄, 1 mM EDTA, and 1 mM Sodium Azide.

Instruction Mix thoroughly **Flogen[®] APC** until no precipitate is observed to get homogeneous solution. Further removal all the remaining ammonium sulfate and buffer exchange to the conjugation buffer.

Storage/Usage Store **Flogen[®] APC** in dark at 2~8°C. **Do not** freeze. For research or further manufacturing use only.

Excitation and Emission Spectra

