



Technical Data Sheet

Flogen[®] cl-APC (Cross-Linked Allophycocyanin)

<u>Specification</u>	Purity	A650/A280 \geq 5.0 A650/A620 \geq 1.5
	Cross Link Ratio	\geq 1.2

<u>Property</u>	Molecular Weight	105 kDa
	Absorption Maximum	650 nm
	Emission Maximum	662 nm
	Extinction Coefficient	$7.0 \times 10^5 \text{ cm}^{-1} \text{ M}^{-1}$
	Quantum Yield	0.68

Description Flogen[®] cl-APC is chemical cross-linked APC without changing APC's property. Flogen[®] cl-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[®] cl-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[®] cl-APC in dark at 2~8°C. **Do not freeze.** For research or further manufacturing use only.

Excitation and Emission Spectra

