



CERTIFICATE OF ANALYSIS

PRODUCT: PHYCOLINK® ACTIVATED ALLOPHYCOCYANIN
PRODUCT CODE: PJ25C
LOT NUMBER: 827 197
BUFFER: 50 mM MES, 2 mM EDTA (pH 6.0)
PRESERVATIVE: 1 µg/ml pentachlorophenol
STORAGE: Store at 2 - 8°C in the dark. DO NOT FREEZE.

ProZyme PB22 GT5™ Allophycocyanin (APC) was cross-linked, then activated with SMCC (succinimidyl 4-[N-maleimidomethyl]-cyclohexane-1-carboxylate). After a buffer exchange step, the product was filtered using a 0.45 µm membrane and stored in a sterile container.

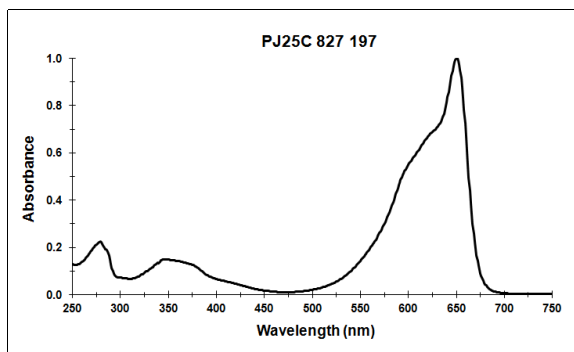
Spectrophotometric Properties

Absorbance $\lambda_{\text{Max}} = 650 \text{ nm}$
Excitation $\lambda_{\text{Max}} = 651 \text{ nm}$
Emission $\lambda_{\text{Max}} = 661 \text{ nm}$
 $A_{650}:A_{280} = 4.8$ (≥ 4.5)

Concentration

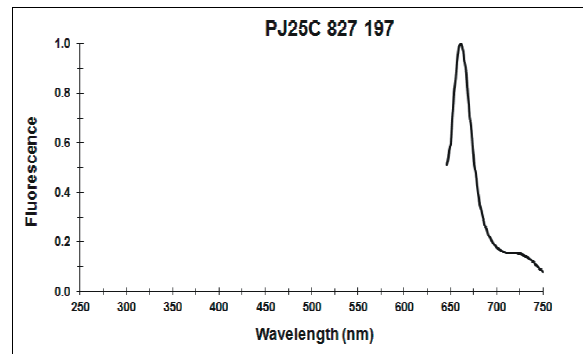
9.73 mg/ml (9.50-10.5 mg/ml)
Extinction coefficient, $E_{650}^{1\%} = 70$

Absorbance Spectrum



Fluorescence Emission Spectrum

(arbitrary units; excitation at 645 nm):



Standard Antibody Conjugation Test

Passed ($\geq 50\%$ APC incorporation)

Authorized Signature

NOTE: Specifications in parentheses

Directions for use of this product may be found at <http://www.prozyme.com/documents/pj25kit.pdf>