



## CERTIFICATE OF ANALYSIS

PRODUCT: PHYCOLINK® ACTIVATED ALLOPHYCOCYANIN  
PRODUCT CODE: PJ25C  
LOT NUMBER: 827 193  
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.

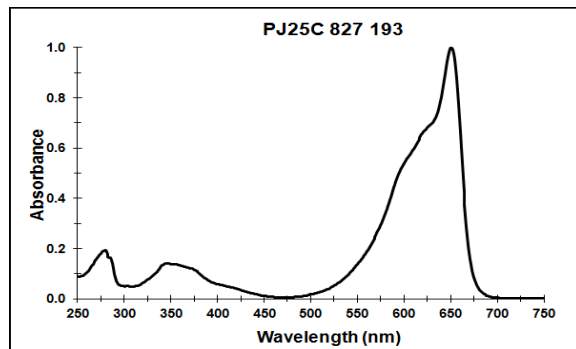
### Spectrophotometric Properties

Absorbance  $\lambda_{\text{Max}} = 650 \text{ nm}$   
Excitation  $\lambda_{\text{Max}} = 647 \text{ nm}$   
Emission  $\lambda_{\text{Max}} = 657 \text{ nm}$   
 $A_{650}:A_{280} = 5.1$  ( $\geq 4.5$ )

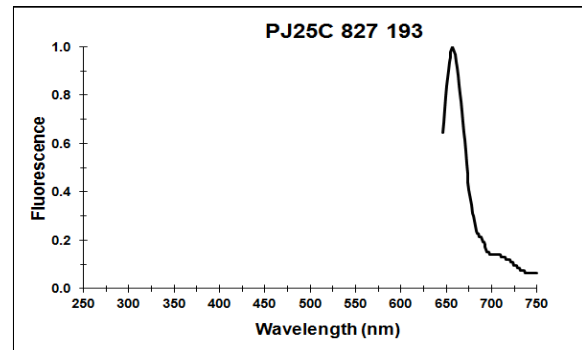
### Concentration

10.2 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)

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Authorized Signature

NOTE: Specifications in parentheses

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