



OXFORD BIOMEDICAL RESEARCH  
P.O. Box 522, Oxford MI 48371 • USA  
USA: 800-692-4633 • Fax: 248-852-4466  
www.oxfordbiomed.com

## Product Specification

### Human Plasminogen Activator Inhibitor I S119C-NBD (mutant reports vitronectin binding)

Product #: PI 10

Lot #: S119C-NBD-401

Molecular Weight: 43 KDa

Physical Appearance: colorless frozen solution

Solubility: > 2 mg/mL and < 5 mg/mL

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 3.6  $^{0.1\%}$  = 1.0

Concentration = 3.6 mg/mL

Active Concentration = 3.4 mg/mL

Kinetic Data:

Second order rate constants for inhibition of:

UPA =  $6.3 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$

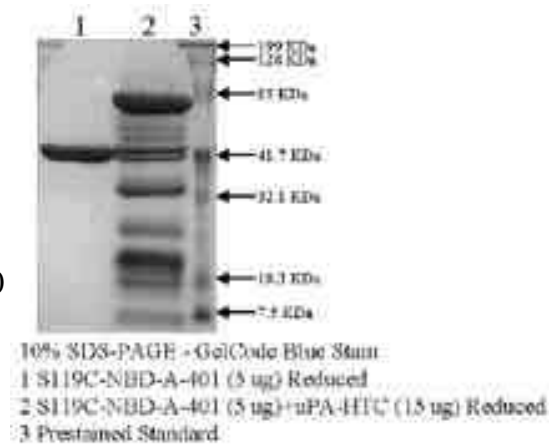
tPA =  $5.7 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$

Considerations:

Storage Conditions: Store frozen at  $-70^\circ\text{C}$  – stability > 1yr

Buffer Composition: 0.05 M Sodium Phosphate; 0.1 M NaCl;  
1 mM EDTA; pH 6.6

Other: > 98% pure by SDS PAGE 95 (+/-) 5% active by uPA titration



Reference(s): Minor, Kenneth H and Peterson, Cynthia B. (2002) *J. Biol. Chem.* 277, 10337-45.  
Backovic, Marija, et al. (2002) *Protein Science.* 11, 1182-91.