

Product Datasheet



Product: Non-enzymatic Human tPA
Catalog #: IHTPA-ALA
Lot #: HTPA-ALA
Aliquot: 0.1 mg
Concentration: 5.6 mg/ml
Volume: 0.018 ml
Storage: -70C
Expiration: January 2010

Considerations

Recombinant protein produced in insect cells.
Purified by chromatography.
Molecular Weight: 70,000 Da by SDS-PAGE
Buffer Composition: 0.4 M HEPES;
0.4 M NaCl; pH 7.4
Origin: USA

Physical Specifications

Physical Appearance: colorless frozen solution
Solubility: Not greater than 4.0 mg/ml

Spectrophotometric Data

Ultraviolet: Absorbance (280nm) = $10.64 \epsilon^{0.1\%} = 1.9$
Concentration = 5.6 mg/mL

Applications

This single chain human tPA has the active site serine mutated to alanine (S478A) rendering the enzyme catalytically inactive. The tPA still retains exosite binding as well as other biological properties of tPA including but not limited to surface binding to fibrin.

Protein Characterization

Purity: >98% pure by SDS-PAGE

References

Olsen et al. (2001) *Biochemistry* 40: 11742-11756.
Parathath et al. (2006) *J. Cell Sci.* 119: 339 - 349.

Document Information

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