

# Product Datasheet



Product: Non-enzymatic Mouse tPA  
Catalog #: IMTPA-S481A  
Lot #: MTPA-S481A-704  
Aliquot: 0.1 mg  
Concentration: 2.0 mg/ml  
Volume: 0.05 ml  
Storage: -70C  
Expiration: July 2009

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## Considerations

Recombinant protein produced in insect cells.  
Purified by chromatography.  
Molecular Weight: 70,000 Da by SDS-PAGE  
Buffer Composition: 0.4 M HEPES;  
0.1 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) = 3.8  $\epsilon^{0.1\%} = 1.9$   
Concentration = 2.0 mg/mL

## Applications

This single chain mouse tPA has the active site serine mutated to alanine 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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