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Certificate of Analysis

Product: Mouse anti-human PAI-1 (inhibitory) – MA-33H1F7

Date: June, 2006 **Lot:** MA-33H1F7-606

Molecular Weight: ~160,000 by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: > 2 mg/mL

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 5.17 $\in^{0.1\%}$ = 1.36
Concentration = 3.8 mg/mL

Description:

Inhibitory monoclonal antibody to human and murine PAI-1. It binds to an epitope localized to the F-Helix of PAI-1. The PAI-1/mab complex becomes a substrate rather than an inhibitor of its target proteinases tPA and urokinase. Currently being studied as a potential therapeutic agent in animal models.

Considerations:

Monoclonal antibody produced in cell culture.
Class: IgG1
Storage Conditions: Store frozen at -70°C – stability > 1yr
Buffer Composition: 0.05 M Sodium Phosphate; 0.1 M NaCl; pH 7.4
May contain trace glycine.
Other: > 95% pure by SDS PAGE

References:

Debrock S, Declerck PJ. *Biochim Biophys Acta* 1337: 257-266, 1997.
Debrock S, Declerck PJ. *Thromb Haemostas* 79: 597-601, 1998.
Bijnens AP et al. *J Biol Chem* 275: 6375-6380, 2000.
Ngo TH et al. *J Biol Chem* 276: 26243-26248, 2001.

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