

Molecular Innovations, Inc.

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Certificate of Analysis

Product: Mouse anti-rat PAI-1 (inhibitory) – MA-124K1

Date: June, 2005

Lot: MA-124K1-605

Molecular Weight: 160,000 by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: Not determined

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 5.77 $\epsilon^{0.1\%} = 1.36$
Concentration = 4.24 mg/mL

Applications:

Binding to rat PAI-1 inhibits rat PAI-1 activity and simultaneously increases the binding of inactive PAI-1 to vitronectin.

Suitable for ELISA.

Considerations:

Monoclonal antibody produced in mouse ascites.

Class: IgG kappa

Storage Conditions: Store frozen at -70°C – stability > 1yr

Buffer Composition: 0.05 M Sodium Phosphate; 0.1 M NaCl; pH 7.4

References:

Ngo T.H. et al. Identification of a target site in plasminogen activator inhibitor-1 that allows neutralization of its inhibitor properties concomitant with an allosteric up-regulation of its antiadhesive properties. *J. Biol. Chem.*, **276**: 26243-26248, 2001.

Ngo T.H. et al. Monoclonal antibody-based immunoassays for the specific quantitation of rat PAI-1 antigen and activity in biological samples. *Thromb. Haemostas.*, **79**: 808-812, 1998.



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