

SPECIFICITY

Binds to active PAI-1, to latent PAI-1, to inactive PAI-1 and to t-PA-PAI-1 complexes. No binding to PAI-2 or PAI-3.

DERIVATION

Hybridization of NSO cells with spleen cells from a BALB/c mouse immunized with purified PAI-1 from the human melanoma cell line MJZJ according to the method of Wagner et al. (1).

ANTIBODY CLASS

IgG₁

PURIFICATION

The antibody is purified from murine ascites by ammonium sulphate precipitation followed by affinity chromatography on protein G sepharose. The purity of the product is tested by Laemmli SDS-PAGE.

APPLICATION

For research use only.

- Immunodepletion of PAI-1 from human plasma and immunopurification
- ELISA tests
- Immunohistochemistry

HANDLING AND STORAGE

The antibody is lyophilized from a 1 mg/mL solution in isotonic phosphate buffered saline, pH 7.4, containing 0.02% sodium acide. It is supplied in vials of 500 µg and should be reconstituted with 0.5 mL distilled water and gentle agitation 10 minutes at room temperature followed by centrifugation of 3 minutes at 1000g.

For extensive dilutions a protein containing solution should be used (e.g. 1% bovine serum albumin in PBS).

Lyophilized antibody should be stored at 4°C. Reconstituted antibody should be aliquoted and stored at -20°C or lower. Avoid repeated freeze-thaw cycles.

LITERATURE

- 1) O.F.Wagner, M.Vetterlein, and B.R.Binder: Purification of an Active Plasminogen Activator Inhibitor Immunologically Related to the Endothelial Type Plasminogen Activator Inhibitor from the Conditioned Media of a Human Melanoma Cell Line. J.Biol.Chem. 261: 14474, 1986.