

**TECHNOCLONE MONOCLONAL ANTIBODY
1 PAI**

Specificity

Binds to active PAI-1, latent PAI-1 and t-PA-PAI-1 complexes. No binding to PAI-2 or PAI-3. No effect on the functional activity of PAI-1.

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

IgG_{2b}

Purification

The antibody is purified from murine ascites by affinity chromatography on immobilized recombinant Protein A. The purity of the product is tested by Laemmli SDS-PAGE.

Application

For research use only.
- Immunodepletion of PAI-1 from human plasma
- ELISA tests

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 azide. It is supplied in vials of 500µg and should be reconstituted with 0.5ml distilled water.

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.