

## Goat anti-human PAI-1 IgG

Product No. ADG75

### Description

Plasminogen Activator Inhibitor Type 1 (PAI-1) is a member of the serpin family of protease inhibitors. It functions as the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA) and hence is an inhibitor of fibrinolysis.

PAI-1 is a single-chain glycoprotein with a molecular weight of 47 kDa. It is mainly produced by the endothelium (cells lining blood vessels), but is also secreted by other tissue types, such as adipose tissue.

### Preparation

Goats were immunized with recombinant human PAI-1. The IgG fraction of immunoserum was isolated by affinity chromatography on Protein G-Sepharose.

### Presentation

Screw-capped clear glass vial containing 1.0 mg of purified IgG lyophilized from 1 mL PBS with 200 mM mannitol, pH 7.5.

### Reconstitution

Add 1 mL of filtered deionized water. Agitate gently for 5 minutes.

### Storage and Stability

Store unopened vials at 2 - 8 °C until the expiration date shown on label.

Store reconstituted antibody in aliquots at -20 °C or colder. Stable for at least 6 months; avoid repeated freeze and thaw cycles.

### Distributed by:

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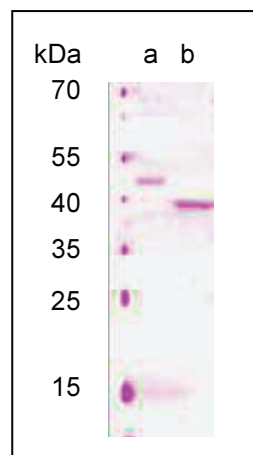
### Applications

#### ELISA

The antibody can be used as capture or detection antibody in ELISAs.

#### Western Blot

The antibody can be used for immuno-blotting. It recognizes native (a) and recombinant (b) PAI-1.



### Immunohistochemistry

The antibody can be used for immunohistological staining of frozen and formalin-fixed, paraffin-embedded tissue sections.

### References

1. Plasminogen activator inhibitor-1 and prognosis in primary breast cancer. Foekens JA et al., J Clin Oncol. 1994 Aug;12(8):1648-1658.
2. Immunohistochemical characterization of the plasminogen activator system in psoriatic epidermis. Gissler HM et al., Br J Dermatol. 1993 Jun;128(6):612-618.
3. alpha 2-Antiplasmin and plasminogen activator inhibitors in healing human skin wounds. Schaefer BM et al., Arch Dermatol Res. 1996 Mar;288(3):122-128.

#### Hinweis/Note:

Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.

The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.

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