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 immunserum 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.

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