

## **SERPINE1**

## Human Plasminogen Activator Inhibitor 1 Activity ELISA Kit

Catalog No. CSI19809A Quantity: 1x96 tests

CSI19809B 5x96 tests

Alternate Names: PAI, PAI1, PAI-1, PLANH1, SERPINE1

**Description:** Plasminogen Activator Inhibitor 1 (PAI1) is the principal inhibitor of Tissue Plasminogen

Activator (tPA) and Urokinase (uPA), the activators of Plasminogen and hence

fibrinolysis. It is a serine protease inhibitor (serpin) protein (SERPINE1). PAI1 is mainly produced by the endothelium, but is also secreted by other tissue types, such as adipose

tissue.

PAI1 is involved in the regulation of the blood fibrinolytic system. Increased plasma levels of PAI1 are implicated in the impairment of fibrinolytic function and may be associated with thrombotic diseases. Levels of PAI1 increase with age and are elevated in

conditions such as normal pregnancy and sepsis.

**Range:** 0-112.5 ng/mL

Sensitivity: 0.181 ng/mL

**Linearity:** Slope = 0.97183, Correlation Coefficient = 0.9964

Sample Types: Human plasma

Sample Size: 100 µl

**Cross-Reaction:** Does not react with Mouse PAI1 in plasma

Kit Content: Pre-coated 96-well plate, Anti-Human PAI1 primary antibody, HRP-conjugated secondary

antibody, standards, buffers, TMB.

**Storage & Stability:** Store kit components at 4°C. Store unopened plate and any unused microtiter strips in

the pouch with desiccant. Reconstituted standards and primary antibody may be stored at -70°C for later use. **DO NOT freeze/thaw the standards and primary antibody more than once.** All other unused kit components must be stored at 4°C. Kit should be

E-mail: info@cellsciences.com

Website: www.cellsciences.com

used no later than the expiration date.

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Toll Free: 888-769-1246

Phone: 781-828-0610

Fax: 781-828-0542