



## Mouse plasminogen activator inhibitor-1 (PAI-1) ELISA kit (0.156-10 ng/mL)

<b>Cat. No.:</b>	0126WXX-1222
<b>Assay Type:</b>	Quantitative sandwich ELISA
<b>Target Species:</b>	Mouse
<b>Assay Target:</b>	PAI-1
<b>Size:</b>	24T; 48T; 96T

This product is for research use only and is not intended for diagnostic use.

### Product Overview

<b>Description</b>	Mouse plasminogen activator inhibitor-1 (PAI-1) ELISA kit (0.156-10 ng/mL) is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of PAI-1 in mice samples with a range of 0.156-10 ng/mL and a minimum detectable dose (sensitivity) of 0.094 ng/mL. The kit is highly sensitive and easy to use.
<b>Assay Principle</b>	The micro ELISA plate in this kit is pre-immobilized with an antibody specific to mouse PAI-1. Standards or samples are added to the wells to be captured by the specific antibody. Subsequently, a biotinylated detection antibody for mouse PAI-1 and an avidin-HRP conjugate are added in sequence and incubated. After washing away free components, a substrate solution is introduced. Only wells containing the mouse PAI-1 sandwich complex will appear blue, turning yellow upon acidification. The O.D. value, measured at 450 nm $\pm$ 2 nm, is proportional to the mouse PAI-1 concentration.
<b>Background</b>	As the primary physiological inhibitor of tissue-type plasminogen activator and urokinase-type plasminogen activator, PAI-1 exerts its effects by suppressing fibrinolysis and proteolysis. Its elevation is associated not only with thrombosis and fibrosis but also with obesity and insulin resistance.
<b>Synonyms</b>	SERPINE1; Endothelial plasminogen activator inhibitor
<b>Formula Weight</b>	43,404 Da



**Applications**

Mouse plasminogen activator inhibitor-1 (PAI-1) ELISA kit (0.156-10 ng/mL) is used to quantify PAI-1 in serum, plasma, and biological fluids of mouse, providing data to support research in a wide range of areas, including metabolism, fibrosis, thrombosis, obesity, etc.

**Research Area**

Metabolism; Fibrosis; Thrombosis; Obesity

## Specification

**Sample Type**

Serum; Plasma; Biological fluids

**Detection Range**

0.156-10 ng/mL

**Sensitivity**

0.094 ng/mL

**Cross-reactivity**

No significant cross-reactivity or interference was observed.

**Storage**

Store at 4°C.