

SERPINE1, PLAT

Human PAI1/tPA Complex ELISA Kit

Catalog No.	CSI19810A CSI19810B	Quantity:	1 Plate 5 Plates
Alternate Names:	PAI, PAI1, PAI-1, PLANH1, SERPINE1, T-PA, TPA		
Description:	<p>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.</p> <p>Tissue Plasminogen Activator (tPA/PLAT) is a secreted serine protease which converts the proenzyme Plasminogen to Plasmin, a fibrinolytic enzyme. tPA is synthesized as a single chain which is cleaved by Plasmin to a two chain disulfide linked protein. This enzyme plays a role in cell migration and tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding; decreased activity leads to hypofibrinolysis which can result in thrombosis or embolism. It is also implicated in events related to cell invasion/migration. Plasminogen Activator Inhibitor type 1 (PAI1/SERPINE1) is involved in the regulation of the blood fibrinolytic system and forms a 1:1 covalent complex with tPA and Urokinase Plasminogen Activator (uPA/PLAU).</p>		
Range:	0.5-200 ng/mL		
Sample Types:	Samples of Human plasma, serum, urine, cell culture media, or tissue extracts may be applied directly to the plate.		
Sample Size:	100 µl		
Kit Content:	Pre-coated 96-well plate, Anti-Human PAI1 primary antibody, HRP-conjugated secondary antibody, Human PAI1 depleted plasma, Human PAI1:tPA complex standard, 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 used no later than the expiration date.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

