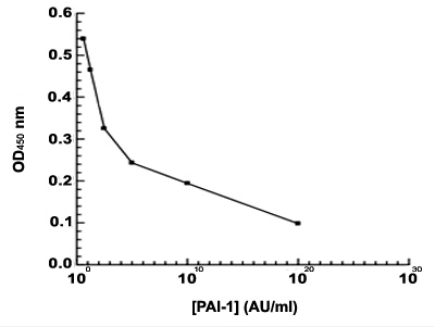
SERPINE1 (Human) Chromogenic Activity Assay Kit

Catalog # KA0973 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	SERPINE1 (Human) Chromogenic Activity Assay Kit is developed to determine human SERPINE1 activity in cell culture supernatants.
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store standard, Plasminogen, and Plasmin Substrate at -20°C. Store other components at 4°C as described in the protocol.

Applications

- Functional Study

Gene Info — SERPINE1

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Entrez GeneID	5054
Gene Name	SERPINE1
Gene Alias	PAI, PAI-1, PAI1, PLANH1
Gene Description	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1
Omim ID	173360
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the serine proteinase inhibitor (serpin) superfamily. This membe r is the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), and hence is an inhibitor of fibrinolysis. Defects in this gene are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency), and high concentrations of the gene product are associated with thr ombophilia. Alternatively spliced transcript variants encoding different isoforms have been found f or this gene. [provided by RefSeq
Other Designations	plasminogen activator inhibitor, type I|plasminogen activator inhibitor-1|serine (or cysteine) protein ase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1

Pathway

- Complement and coagulation cascades
- p53 signaling pathway

Disease

- Abortion
- Activated Protein C Resistance
- Acute Disease
- Acute Lung Injury
- Acute-Phase Reaction
- Adenocarcinoma
- Adenomatous Polyposis Coli

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- Albuminuria
- alpha 1-Antitrypsin Deficiency
- Alpha-1-antitrypsin deficiency
- Alveolar Bone Loss
- Alzheimer disease
- Amyloidosis
- Amyotrophic lateral sclerosis
- Anemia
- Aneurysm
- Angina
- Anoxia
- Antiphospholipid Syndrome
- Aortic Aneurysm
- Arterial Occlusive Diseases
- Arteriosclerosis
- Arthritis
- Asthma
- Atherosclerosis
- Atrial Fibrillation
- Autistic Disorder
- Autoimmune Diseases
- Bacteremia
- Behcet Syndrome
- beta-Thalassemia
- Birth Weight
- Blood Coagulation Disorders

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- Body Weight
- Brain Infarction
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Burns
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Carotid Artery Diseases
- Celiac Disease
- Cerebral Arterial Diseases
- Cerebral Hemorrhage
- Cerebral Infarction
- Cerebral Palsy
- Cerebrovascular Accident
- Cerebrovascular Disorders
- Chorioamnionitis
- Chronic Disease
- Colitis
- Colon cancer
- Colorectal Neoplasms
- Community-Acquired Infections
- Connective Tissue Diseases

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- Constriction
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Coronary Stenosis
- Critical Illness
- Crohn Disease
- Death
- Delayed Graft Function
- Dementia
- Depressive Disorder
- Diabetes
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Diabetic Retinopathy
- Disease Progression
- Disease Susceptibility
- Disseminated Intravascular Coagulation
- Duodenal Ulcer
- Dyslipidemias
- Edema
- Emphysema
- Endometriosis
- Familial Mediterranean fever

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- Fatigue
- Fatty Liver
- Femur Head Necrosis
- Fetal Death
- Fetal Diseases
- Fetal Growth Retardation
- Fetal Membranes
- Fibromatosis
- Fibromyalgia
- Fractures
- Genetic Predisposition to Disease
- Glaucoma
- Glioblastoma
- Glioma
- Glomerulonephritis
- Graft Occlusion
- Gram-Negative Bacterial Infections
- Hearing Loss
- Heart Defects
- Heart Diseases
- HELLP Syndrome
- Hemolytic-Uremic Syndrome
- Hemophilia A
- Hemorrhagic Disorders
- Hepatitis C
- Hypercholesterolemia

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- Hyperhomocysteinemia
- Hyperinsulinism
- Hyperlipidemias
- Hyperlipoproteinemia Type II
- Hypersensitivity
- Hypertension
- Hypertrophy
- Infection
- Infertility
- Inflammation
- Inflammatory Bowel Diseases
- Insulin Resistance
- Intracranial Aneurysm
- Intracranial Embolism
- Intracranial Embolism and Thrombosis
- Intracranial Thrombosis
- Iron Overload
- Ischemia
- Kidney Diseases
- Kidney Failure
- Leukemia
- Limb Deformities
- Liver Cirrhosis
- Liver Diseases
- Liver Neoplasms
- Lung Diseases

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- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Meningeal Neoplasms
- Meningioma
- Meningococcal Infections
- Metabolic Syndrome X
- Migraine Disorders
- Mouth Neoplasms
- Multiple Organ Failure
- Multiple Sclerosis
- Musculoskeletal Diseases
- Myocardial Infarction
- Myocardial Ischemia
- Necrosis
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Obesity
- Obstetric Labor
- Osteonecrosis
- Osteoporosis
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms

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- Pain
- Pancreatitis
- Peptic Ulcer Hemorrhage
- Periodontitis
- Peripheral Vascular Diseases
- Peritonitis
- Placenta Diseases
- Pneumococcal Infections
- Pneumoconiosis
- Pneumonia
- Polycystic Ovary Syndrome
- Postoperative Complications
- Postoperative Hemorrhage
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Protein C Deficiency
- Proteinuria
- Puberty
- Puerperal Disorders
- Pulmonary Disease
- Pulmonary Embolism
- Recurrence
- Renal Artery Obstruction

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- Renal Insufficiency
- Respiratory Distress Syndrome
- Retinal Artery Occlusion
- Retinal Vein Occlusion
- Rhinitis
- Sclerosis
- Sepsis
- Shock
- Siderosis
- Sinusitis
- Skin Diseases
- Sleep Apnea
- Sleep Apnea Syndromes
- Small Cell Lung Carcinoma
- Stomach Neoplasms
- Stomach Ulcer
- Streptococcal Infections
- Stroke
- Subarachnoid Hemorrhage
- Syndrome
- Systemic Inflammatory Response Syndrome
- Tachycardia
- Thinness
- Thromboembolism
- Thrombophilia
- Thrombosis

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- Thrombotic Microangiopathies
- Tobacco Use Disorder
- Uterine Diseases
- Vascular Diseases
- Venous Insufficiency
- Venous Thrombosis
- Ventricular Fibrillation
- Virilism
- Weight Gain
- Weight Loss
- Werner syndrome
- Wounds and Injuries

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