Mouse serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1) , member 1 ELISA Kit | SERPINE1 elisa kit

Mouse plasminogen activator inhibitor 1, PAI-1 ELISA Kit

CATALOG #	REACTIVITY
AAA80650	**Mouse**

PRODUCT SYNONYMS

serpin peptidase inhibitor; clade E (nexin; plasminogen activator inhibitor type 1); member 1; Mouse plasminogen activator inhibitor 1; PAI-1 ELISA Kit; PAI; PAI-1; PAI1; PLANH1; plasminogen activator inhibitor-1; serine (or cysteine) proteinase inhibitor; SERPINE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse SERPINE1. No significant cross-reactivity or interference between Mouse SERPINE1 and analogues was observed.
Sequence Length	402
Samples	Serum, plasma, tissue homogenates
Detection Range	0.9 ng/ml-60 ng/ml
Sensitivity	0.22 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINE1 elisa kit	**Introduction:** PAI-1 (plasminogen activator inhibitor 1) is originally cloned from human endothelial cell and rat hepatoma cell 3 cDNA libraries. As a member of the serpin family of serine protease inhibitors, PAI1 inhibits both tissue type palsminogen activator (tPA) and urokinase type plasminogen activator (uPA). High PAI1 levels are associated with an increased risk of thromboembolic disease while PAI1 deficiency may represent an inherited autosomal recessive bleeding disorder. **Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to PAI-1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for PAI-1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain PAI-1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of PAI-1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	129577
NCBI GeneID	18787
UniProt Accession #	P22777
Molecular Weight	45,170 Da
NCBI Official Full Name	Plasminogen activator inhibitor 1
NCBI Official Synonym Full Names	serine (or cysteine) peptidase inhibitor, clade E, member 1
NCBI Official Symbol	Serpine1
NCBI Official Synonym Symbols	PAI1; PAI-1; Planh1
NCBI Protein Information	plasminogen activator inhibitor 1; PAI; serpin E1; plasminogen activator inhibitor, type I; endothelial plasminogen activator inhibitor; nexin, plasminogen activator inhibitor type 1; serine (or cysteine) proteinase inhibitor, clade E, member 1; Plasminogen activator inhibitor-1 precursor (PAI-1) (Endothelial plasminogen activator inhibitor) (PAI)
UniProt Protein Name	Plasminogen activator inhibitor 1
UniProt Gene Name	**Serpine1**
UniProt Synonym Gene Names	Mr1; Pai1; Planh1; PAI; PAI-1
UniProt Entry Name	PAI1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/serpine1-mouse-elisa-kits/serpin-peptidase-inhibitor-clade-e-nexin-plasminogen-activator-inhibitor-type-1-member-1/80650