

General PAI-1 total antigen assay ELISA Kit | SERPINE1 elisa kit

Mouse PAI-1 total antigen assay ELISA Kit

CATALOG #
AAA37763

REACTIVITY
General

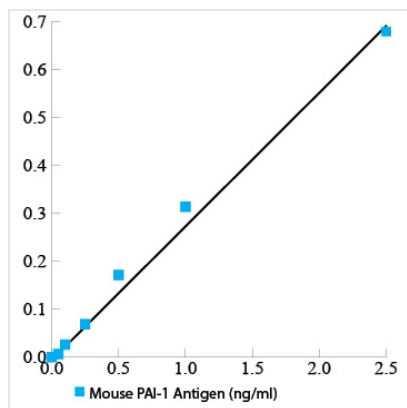
PRODUCT SYNONYMS

PAI-1 total antigen assay; Mouse PAI-1 total antigen assay ELISA Kit; SERPINE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay recognizes natural total mouse PAI-1. Pooled normal plasma from Rat, Human, Pig, Dog, and Sheep were assayed, and no significant cross-reactivity was observed. Pooled normal plasma from Rabbit resulted in significant color development.
Form/Format	Complete Kit
Sequence Length	402
Samples	Mouse plasma
Sensitivity	The minimum detectable dose (MDD) was determined by adding two standard deviations to the mean optical density value of twenty zero standard replicates (range OD450: 0.072-0.078) and calculating the corresponding concentration. The MDD was 0.006 ng/ml.
Intra-assay Precision	Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Three samples of known concentration were tested in ten independent assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C. Shelf Life: 12 months from manufacture, see label for expiration date

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINE1 elisa kit	Intended Uses: Mouse PAI-1 total assay is intended for the quantitative determination of total plasminogen activator inhibitor type 1 in mouse plasma. For research use only. Principle of the Assay: Mouse PAI-1 present in plasma reacts with the capture antibody coated and dried on a microtiter plate. Free, latent, and complexed PAI-1 will bind to the plate. Any unbound PAI-1 is washed away and an anti-PAI-1 primary antibody is added. Excess primary antibody is washed away and bound antibody, which is proportional to the total PAI-1 present in the samples, is then reacted with the secondary antibody. Following an additional washing step, TMB is then used for color development at 450nm. The amount of color development is directly proportional to the concentration of total PAI-1 in the sample. Background: Plasminogen activator inhibitor-1 (PAI-1) is a central regulator of the blood fibrinolytic system [2]. Clinical studies have indicated that increased PAI-1 levels increase the risk for thrombosis, whereas decreased levels may cause recurrent bleeding [3].
Product Categories/Family for SERPINE1 elisa kit	Plasminogen Activator Inhibitor 1 (PAI-1); PAI-1 ELISA Kits

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-general-elisa-kits/pai-1-total-antigen-assay/37763>