

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

Human plasminogen activator inhibitor 1, PAI-1 ELISA Kit

CATALOG #
AAA112251

REACTIVITY
Human

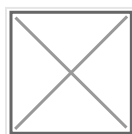
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PAI-1. No significant cross-reactivity or interference between human PAI-1 and analogues was observed.
Sequence Length	402
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	3.12 ng/ml-200 ng/ml.
Sensitivity	The minimum detectable dose of human PAI-1 is typically less than 0.78 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PAI-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PAI-1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PAI-1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PAI-1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10835159
NCBI GeneID	5054
NCBI Accession #	NP_000593.1
NCBI GenBank Nucleotide #	NM_000602.4
UniProt Accession #	P05121; B7Z4S0; F8WD53
Molecular Weight	45,060 Da
NCBI Official Full Name	plasminogen activator inhibitor 1
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1
NCBI Official Symbol	SERPINE1
NCBI Official Synonym Symbols	PAI; PAI1; PAI-1; PLANH1
NCBI Protein Information	plasminogen activator inhibitor 1; serpin E1; endothelial plasminogen activator inhibitor; serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1
UniProt Protein Name	Plasminogen activator inhibitor 1
UniProt Gene Name	SERPINE1
UniProt Synonym Gene Names	PAI1; PLANH1; PAI; PAI-1
UniProt Entry Name	PAI1_HUMAN

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-human-elisa-kits/serpin-peptidase-inhibitor-clade-e-nexin-plasminogen-activator-inhibitor-type-1-member-1/112251>