

Human PAI-1 total ELISA Kit | SERPINE1 elisa kit

Human PAI-1 total antigen assay ELISA kit

CATALOG #
AAA37833

REACTIVITY
Human

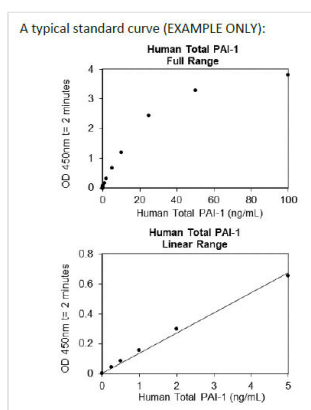
PRODUCT SYNONYMS

PAI-1 total; Human PAI-1 total antigen assay ELISA kit; SERPINE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes natural and recombinant human PAI-1. Significant cross reaction is observed with pooled normal plasma from rabbit. Pooled normal plasma from cyno monkey, porcine, mouse, rat, horse, and sheep were assayed for cross-reactivity. No significant cross-reactivity was observed.
Form/Format	Complete kit
Sequence Length	402
Sensitivity	0.015ng/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	Recommended Storage: 4 degree C Minimum Shelf Life: 12 months from manufacture, see label for expiration date Shipping Condition: Cold pack

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINE1 elisa kit	Background: PAI-1 is involved in the regulation of the blood fibrinolytic system. Increased plasma levels of PAI-1 are implicated in the impairment of fibrinolytic function and may be associated with thrombotic diseases [1,2]. Levels of PAI-1 increase with age [3] and are elevated in conditions such as normal pregnancy [4], sepsis [5] and obesity [6]. Principle of the Assay: Human PAI-1 will bind to the monoclonal capture antibody coated on the microtiter plate. Free, latent, and complexed PAI-1 will bind to the plate. After appropriate washing steps, polyclonal anti-human PAI-1 primary antibody binds to the captured protein. Excess primary antibody is washed away and bound antibody is reacted with peroxidase conjugated secondary antibody. Following an additional washing step, TMB substrate is used for color development at 450nm. A standard calibration curve is prepared along with the samples to be measured using dilutions of human PAI-1. Color development is proportional to the concentration of PAI-1 in the samples. Intended Uses: This human plasminogen activator inhibitor type 1 (PAI-1) total antigen assay is intended for the quantitative determination of total PAI-1 in human plasma in citrate, EDTA or heparin, serum, cell culture media, tissue lysates and other biological fluids. For research use only.
Product Categories/Family for SERPINE1 elisa kit	PAI-1 ELISA Kits

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	43,404 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://www.aaabiotech.com/human-elisa-kits/pai-1-total/37833>