

## General PAI-1 tPA complex antigen assay ELISA Kit | SERPINE1 elisa kit

Human PAI-1 tPA complex antigen assay ELISA Kit

CATALOG #  
**AAA37760**

REACTIVITY  
**General**

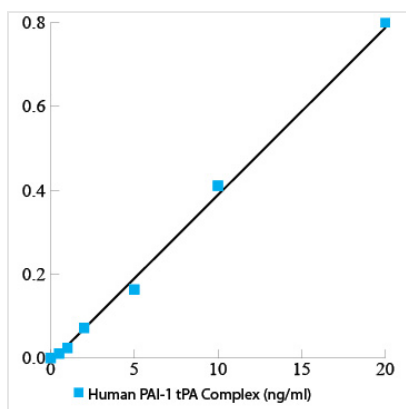
### PRODUCT SYNONYMS

PAI-1 tPA complex antigen assay; Human PAI-1 tPA complex antigen assay ELISA Kit; SERPINE1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------|
| Reactivity              | General                                                                                    |
| Form/Format             | Complete Kit                                                                               |
| Sequence Length         | 402                                                                                        |
| Samples                 | Human plasma and other biological fluids                                                   |
| 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:** Human PAI-1 tPA complex assay is intended for the quantitative determination of the covalent complex of tPA and its inhibitor PAI-1 in human plasma and other biological fluids.

**Principle of the Assay:** Human tPA in samples will bind to the capture antibody coated on the microtiter plate. Free and complexed enzyme will react with the capture antibody on the plate. After appropriate washing steps, polyclonal anti-human PAI-1 primary antibody binds to PAI-1 tPA complex captured on the plate. Excess antibody is washed away and bound polyclonal antibody is then reacted with the secondary antibody conjugated to horseradish peroxidase. TMB substrate is used for color development at 450nm. A standar calibration curve is prepared along with the samples to be measured using dilutions of CPAI tPA complex. Color development is proportional to the concentration of PAI-1 tPA complex in the samples. Free tPA and PAI-1 will not be detected by this assay.

**Background:** Tissue-type plasminogen activator (tPA) is a serine protease that activates plasminogen to plasmin in the blood fibrinolytic system. Plasminogen activator inhibitor type 1 (PAI-1) is involved in the regulation of the blood fibrinolytic system and forms a 1:1 covalent complex with tPA and tPA.

Product Categories/Family for  
SERPINE1 elisa kit

Plasminogen Activator Inhibitor 1 (PAI-1); 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                 | 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                | <b>SERPINE1</b>                                                                                                                                                                                         |
| 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/serpine1-general-elisa-kits/pai-1-tpa-complex-antigen-assay/37760>