

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

Rat PAI-1 total antigen assay ELISA Kit

CATALOG #
AAA37770

REACTIVITY
General

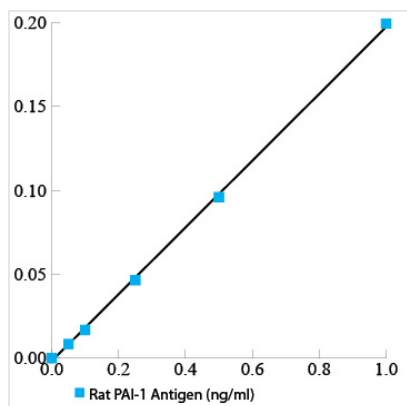
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	These studies are currently in progress. Please contact us for more information.
Form/Format	Complete Kit
Sequence Length	402
Samples	Biological fluids
Sensitivity	0.032 ng/ml (calculated by determining the OD of 20 reps of So and 20 reps of the low standard)
Intra-assay Precision	These studies are currently in progress. Please contact us for more information.
Inter-assay Precision	These studies are currently in progress. Please contact us for more information.
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: This rat plasminogen activator inhibitor type 1 (PAI-1) total antigen assay is intended for the quantitative determination of total PAI-1 in biological fluids. Principle of the Assay: Pat PAI-1 will bind to the capture antibody coated on the microtiter plate. Free, latent, and complexed PAI-1 will react with the capture antibody on 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 a 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 [1]. Clinical studies have indicated that increased PAI-1 levels increase the risk for thrombosis, whereas decreased levels may cause recurrent bleeding [2].
Product Categories/Family for SERPINE1 elisa kit	Plasminogen Activator Inhibitor 1 (PAI-1); PAI-1 ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981332
NCBI GeneID	24617
NCBI Accession #	NP_036752.1
NCBI GenBank Nucleotide #	NM_012620.1
UniProt Accession #	P20961
Molecular Weight	45,010 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	Pai1; PAI1A; Planh; Pai1aa; RATPAI1A
NCBI Protein Information	plasminogen activator inhibitor 1; PAI; PAI-1; serpin E1; endothelial plasminogen activator inhibitor; serine (or cysteine) proteinase inhibitor, member 1; serine (or cysteine) peptidase inhibitor, clade E, member 1; serine (or cysteine) proteinase inhibitor, clade E, member 1; 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_RAT

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/37770>