

Rabbit Plasminogen Activator Inhibitor 1 (PAI1) ELISA Kit | PAI1 elisa kit

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CATALOG #
AAA67320

REACTIVITY
Rabbit

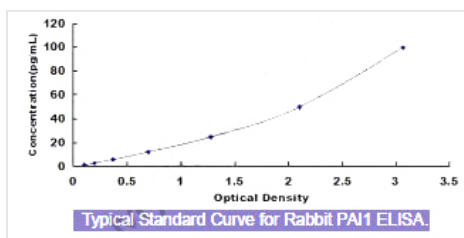
PRODUCT SYNONYMS

Plasminogen Activator Inhibitor 1 (PAI1); Rabbit Plasminogen Activator Inhibitor 1 (PAI1) ELISA Kit; SERPINE1; PLANH1; Serpin Peptidase Inhibitor Clade E Member 1; Nexin; Plasminogen Activator Inhibitor Type 1 Serpin E1; Endothelial plasminogen activator inhibitor; PAI1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of PAI1. No significant cross-reactivity or interference between PAI1 and analogues was observed.
Sequence Length	88
Samples	Plasma.
Assay Type	Sandwich
Detection Range	1.56-100pg/mL
Sensitivity	0.68pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PAI1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PAI1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAI1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PAI1 in rabbit plasma. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PAI1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PAI1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PAI1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PAI1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	75039101
NCBI GeneID	100009588
UniProt Accession #	O97588
Molecular Weight	10,336 Da
NCBI Official Full Name	Plasminogen activator inhibitor
NCBI Official Symbol	SERPINE1
NCBI Official Synonym Symbols	PAI1
NCBI Protein Information	serpin family E member 1; plasminogen activator inhibitor; putative plasminogen activator inhibitor-1; serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1
UniProt Protein Name	Plasminogen activator inhibitor
UniProt Gene Name	PAI1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rabbit-elisa-kits/plasminogen-activator-inhibitor-1-pai1/67320>