

Human Plasminogen Activator Inhibitor 1 (PAI1) CLIA Kit | PAI1 clia kit

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CATALOG #
AAA140987

REACTIVITY
Human

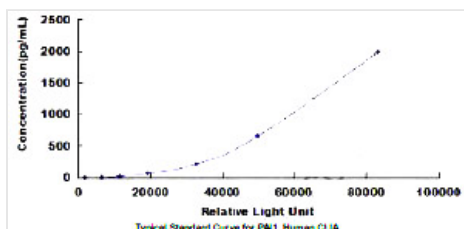
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Plasminogen Activator Inhibitor 1 (PAI1). No significant cross-reactivity or interference between Plasminogen Activator Inhibitor 1 (PAI1) and analogues was observed.
Sequence Length	402
Assay Type	Double-antibody Sandwich
Samples	Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	2.74-2,000pg/mL
Sensitivity	0.96pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Plasminogen Activator Inhibitor 1 (PAI1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Plasminogen Activator Inhibitor 1 (PAI1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAI1 clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Plasminogen Activator Inhibitor 1 (PAI1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Plasminogen Activator Inhibitor 1 (PAI1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Plasminogen Activator Inhibitor 1 (PAI1) level in the sample or standard.;
Product Categories/Family for PAI1 clia kit	Metabolic pathway; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835159
NCBI GeneID	5054
NCBI Accession #	NP_000593.1
NCBI GenBank Nucleotide #	NM_000602.4
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
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-clia-kits/plasminogen-activator-inhibitor-1-pai1/140987>