

Mouse Plasminogen Activator Inhibitor 1 ELISA Kit | PAI 1 elisa kit

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CATALOG # AAA82449	REACTIVITY Mouse
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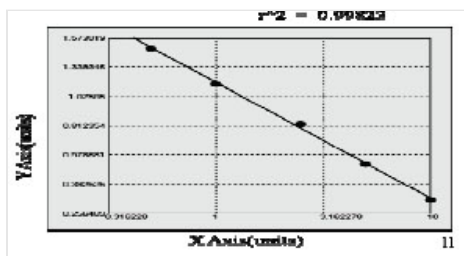
PRODUCT SYNONYMS

Plasminogen Activator Inhibitor 1; Mouse Plasminogen Activator Inhibitor 1 ELISA Kit; PAI 1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PAI-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PAI-1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAI 1 elisa kit	Principle of the assay: PAI-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PAI-1 antibody and an PAI-1-HRP conjugate. The assay sample and buffer are incubated together with PAI-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PAI-1 concentration since PAI-1 from samples and PAI-1-HRP conjugate compete for the anti-PAI-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PAI-1 from the sample, fewer sites are left to bind PAI-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PAI-1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PAI 1 elisa kit	Cardiovascular

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; 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://stage.aaabiotech.com/pai-1-mouse-elisa-kits/plasminogen-activator-inhibitor-1/82449>