

Human Plasminogen Activator Inhibitor 2 (PAI2) ELISA Kit | PAI2 elisa kit

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CATALOG #
AAA136627

REACTIVITY
Human

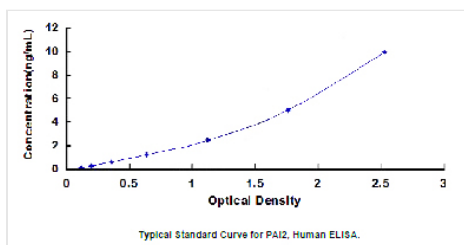
PRODUCT SYNONYMS

Plasminogen Activator Inhibitor 2 (PAI2); Human Plasminogen Activator Inhibitor 2 (PAI2) ELISA Kit; SERPINB2; PLANH2; Serpin Peptidase Inhibitor Clade B Member 2; Monocyte Arg-serpin; Placental plasminogen activator inhibitor; Serpin B2; Urokinase inhibitor; PAI2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PAI2. No significant cross-reactivity or interference between PAI2 and analogues was observed.
Sequence Length	415
Assay Type	Double-antibody Sandwich
Samples	Plasma
Detection Range	31.2-2,000pg/mL
Sensitivity	12.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PAI2 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 PAI2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 PAI2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PAI2 in human plasma. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PAI2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PAI2. 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 PAI2, 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 PAI2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PAI2 elisa kit	Hematology; Reproductive science

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505595
NCBI GeneID	5055
NCBI Accession #	NP_002566.1
NCBI GenBank Nucleotide #	NM_002575.2
UniProt Accession #	P05120; Q96E96
Molecular Weight	46,596 Da
NCBI Official Full Name	plasminogen activator inhibitor 2
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade B (ovalbumin), member 2
NCBI Official Symbol	SERPINB2
NCBI Official Synonym Symbols	PAI; PAI2; PAI-2; PLANH2; HsT1201
NCBI Protein Information	plasminogen activator inhibitor 2
UniProt Protein Name	Plasminogen activator inhibitor 2
UniProt Gene Name	SERPINB2
UniProt Synonym Gene Names	PAI2; PLANH2; PAI-2
UniProt Entry Name	PAI2_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-elisa-kits/plasminogen-activator-inhibitor-2-pai2/136627>