

Human Plasminogen Activator Inhibitor 2 ELISA Kit | PAI2 elisa kit

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CATALOG #
AAA85108

REACTIVITY
Human

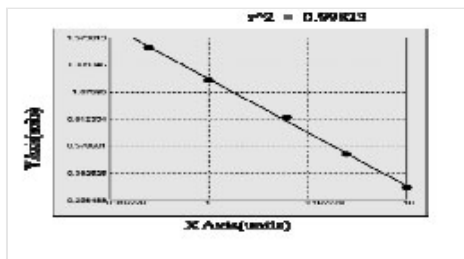
PRODUCT SYNONYMS

Plasminogen Activator Inhibitor 2; Human Plasminogen Activator Inhibitor 2 ELISA Kit; PAI2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAI2 elisa kit

Intended Uses: This PAI-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PAI-2. This ELISA kit for research use only!

Principle of the Assay||PAI-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PAI-2 antibody and an PAI-2-HRP conjugate. The assay sample and buffer are incubated together with PAI-2-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-2 concentration since PAI-2 from samples and PAI-2-HRP conjugate compete for the anti-PAI-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PAI-2 from the sample, fewer sites are left to bind PAI-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PAI-2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PAI2 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	219689110
NCBI GeneID	5055
NCBI Accession #	NP_001137290.1
NCBI GenBank Nucleotide #	NM_001143818.1
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; serpin B2; monocyte Arg-serpin; urokinase inhibitor; placental plasminogen activator inhibitor; plasminogen activator inhibitor, type II (arginine-serpin); serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 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://stage.aaabiotech.com/pai2-human-elisa-kits/plasminogen-activator-inhibitor-2/85108>