

Rat Plasminogen Activator Inhibitor 2 ELISA Kit | PAI-2 elisa kit

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CATALOG #
AAA101302

REACTIVITY
Rat

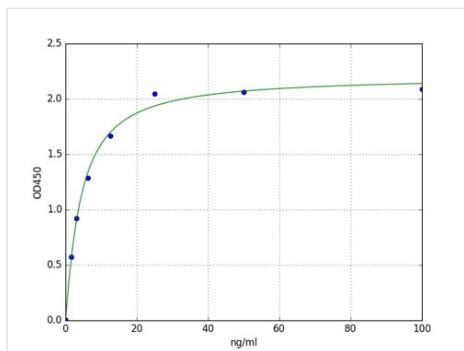
PRODUCT SYNONYMS

Plasminogen Activator Inhibitor 2; Rat Plasminogen Activator Inhibitor 2 ELISA Kit; PAI-2/B2/PAI2/PLANH2/Urokinase Inhibitor/HsT1201/Monocyte Arg-serpin/PAI/PAI2Urokinase inhibitor/Placental plasminogen activator inhibitor/PLANH2PAI-2/plasminogen activator inhibitor 2/plasminogen activator inhibitor; type II (arginine-serpin)/serine (or cysteine) proteinase inhibitor; clade B (ovalbumin); member 2/Serpin B2/serpin peptidase inhibitor; member 2; PAI-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	415
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat PAI-2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.004	0.468	0.924	1.485	1.830	2.206	1.662	2.066

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAI-2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat PAI-2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat PAI-2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat PAI-2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat PAI-2 can be calculated.

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
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/pai-2-rat-elisa-kits/plasminogen-activator-inhibitor-2/101302>