

Rat Plasminogen Activator Inhibitor 2 ELISA Kit | PAI2 elisa kit

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CATALOG #
AAA82359

REACTIVITY
Rat

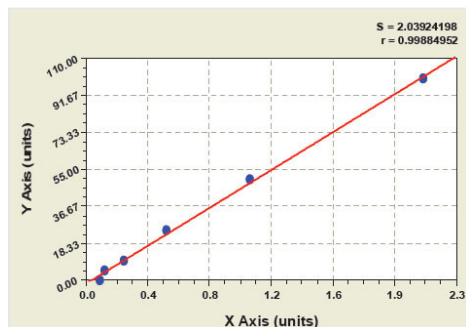
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This BG PAI2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PAI2. 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 PAI2 elisa kit

Principle of the Assay: PAI2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PAI2. Standards or samples are then added to the microtiter plate wells and PAI2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PAI2 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for PAI2 are added to each well to "sandwich" the PAI2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PAI2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PAI2 concentration in each sample is interpolated from this standard curve.

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.