

# Rat Plasminogen activator inhibitor 2 (SERPINB2) ELISA Kit



Catalog No: #EK7378

Orders: order@signalwayantibody.com

Package Size: #EK7378-1 48T #EK7378-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Rat Plasminogen activator inhibitor 2 (SERPINB2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	HsT1201; PAI; PAI-2; PAI2; PLANH2; plasminogen activator inhibitor 2 plasminogen activator inhibitor; type II (arginine-serpin) serine (or cysteine) proteinase inhibitor; clade B (ovalbumin); member
Accession No.	P29524
Uniprot	P29524
GeneID	60325;
Storage	The stability of ELISA 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.  The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.57 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SERPINB2 in samples. An antibody specific for SERPINB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySERPINB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SERPINB2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SERPINB2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Plasminogen activator inhibitor-2 (placental PAI) is a coagulation factor that inactivates tPA and urokinase. It is present in most cells, especially monocytes/macrophages. PAI-2 exists in two forms, a 60-kDa extracellular glycosylated form and a 43-kDa intracellular form.

It is present only at detectable quantities in blood during pregnancy, as it is produced by the placenta, and may explain partially the increased rate of thrombosis during pregnancy. The majority of expressed PAI-2 remains unsecreted due to the presence of an inefficient internal signal peptide.the intron-exon arrangement of PAI2 is identical to that of chicken ovalbumin and Y genes and distinct from that of other members of the serpin superfamily.

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Note: This product is for in vitro research use only