

# Human Protein Z-dependent protease inhibitor (SERPINA10) ELISA Kit



Catalog No: #EK7388

Orders: order@signalwayantibody.com

Package Size: #EK7388-1 48T #EK7388-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Protein Z-dependent protease inhibitor (SERPINA10) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	PZI; ZPI; protein Z-dependent protease inhibitor protein Z-dependent protease inhibitorprecursor serine (or cysteine) proteinase inhibitor; clade A (alpha-1 antiproteinase; antitrypsin); member 10
Accession No.	Q9UK55
Uniprot	Q9UK55
GeneID	51156;
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:31.25-2000 pg/mL

Sensitivity:16.8 pg/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:**Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate SERPINA10 in samples. An antibody specific for SERPINA10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySERPINA10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SERPINA10 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 SERPINA10 bound in the initial step. The color development is stopped and the intensity of the color is measured.

**Product Overview:**Protein Z-dependent protease inhibitor is a protein circulating in the blood which inhibits factors Xa and XIa of the coagulation cascade. It is a member of the class of the serine protease inhibitors (serpins). Its name implies that it requires protein Z, another circulating protein, to function properly, but this only applies to its inhibition of factor X. It is about 72 kDa heavy and 444 amino acids large. It is produced by the liver.Water et al. found deficiency of ZPI in 4.4% of a cohort of patients with thrombophilia (a tendency to thrombosis).Han et al. first described ZPI in 1998. The same group further characterised it in 2000.

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Note: This product is for in vitro research use only