

Human Protein Z Dependent Protease Inhibitor ELISA Kit | ZPI elisa kit

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CATALOG #
AAA16685

REACTIVITY
Human

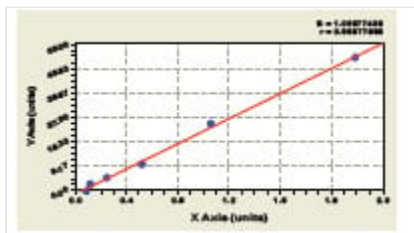
PRODUCT SYNONYMS

Protein Z Dependent Protease Inhibitor; Human Protein Z Dependent Protease Inhibitor ELISA Kit; ZPI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ZPI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ZPI. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ZPI elisa kit

Principle of the Assay: ZPI ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for ZPI. Standards or samples are then added to the microtiter plate wells and ZPI if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ZPI present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for ZPI are added to each well to "sandwich" the ZPI 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 ZPI 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 ZPI concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	154759291
NCBI GeneID	51156
NCBI Accession #	NP_001094077.1
NCBI GenBank Nucleotide #	NM_001100607.2
Molecular Weight	50,707 Da
NCBI Official Full Name	protein Z-dependent protease inhibitor
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10
NCBI Official Symbol	SERPINA10
NCBI Official Synonym Symbols	PZI; ZPI
NCBI Protein Information	protein Z-dependent protease inhibitor; serpin A10; PZ-dependent protease inhibitor; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10
UniProt Protein Name	Protein Z-dependent protease inhibitor
UniProt Gene Name	SERPINA10
UniProt Synonym Gene Names	ZPI; UNQ707/PRO1358; PZ-dependent protease inhibitor; PZI
UniProt Entry Name	ZPI_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/zpi-human-elisa-kits/protein-z-dependent-protease-inhibitor/16685>