

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

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CATALOG #
AAA90953

REACTIVITY
Rat

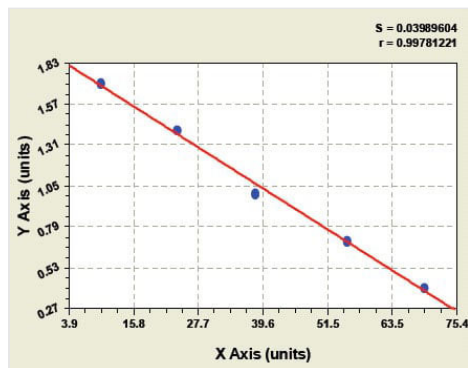
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This ZPI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ZPI. 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 ZPI elisa kit

Principle of the Assay: ZPI ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ZPI antibody and an ZPI-HRP conjugate. The assay sample and buffer are incubated together with ZPI-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ZPI concentration since ZPI from samples and ZPI-HRP conjugate compete for the anti-ZPI antibody binding site. Since the number of sites is limited, as more sites are occupied by ZPI from the sample, fewer sites are left to bind ZPI-HRP conjugate. 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/zpi-rat-elisa-kits/protein-z-dependent-protease-inhibitor/90953>