

Rat Protein Z ELISA Kit | Protein Z elisa kit

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CATALOG #
AAA82450

REACTIVITY
Rat

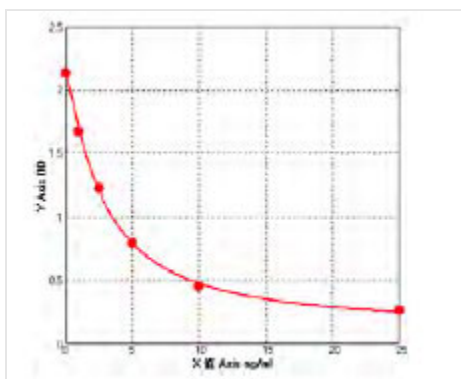
PRODUCT SYNONYMS

Protein Z; Rat Protein Z ELISA Kit; Rat Protein Z (Protein Z) ELISA Kit; Protein Z (Rat); Protein Z elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Protein Z elisa kit

Intended Uses: This Protein Z ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse Protein Z. This ELISA kit for research use only!

Principle of the Assay: Protein Z ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-Protein Z antibody and an Protein Z-HRP conjugate. The assay sample and buffer are incubated together with Protein Z-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 Protein Z concentration since Protein Z from samples and Protein Z-HRP conjugate compete for the anti-Protein Z antibody binding site. Since the number of sites is limited, as more sites are occupied by Protein Z from the sample, fewer sites are left to bind Protein Z-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Protein Z concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	190466
NCBI GeneID	8858
UniProt Accession #	P22891; Q15213; Q5JVF5; Q5JVF6; A6NMB4
Molecular Weight	44,744 Da
NCBI Official Full Name	protein Z
NCBI Official Synonym Full Names	protein Z, vitamin K-dependent plasma glycoprotein
NCBI Official Symbol	PROZ
NCBI Official Synonym Symbols	PZ
NCBI Protein Information	vitamin K-dependent protein Z; OTTHUMP00000018738; OTTHUMP00000018739
UniProt Protein Name	Vitamin K-dependent protein Z
UniProt Gene Name	PROZ
UniProt Entry Name	PROZ_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.