

Human Protein Z ELISA Kit | ProZ elisa kit

Human Protein Z ELISA Kit

CATALOG #
AAA83079

REACTIVITY
Human

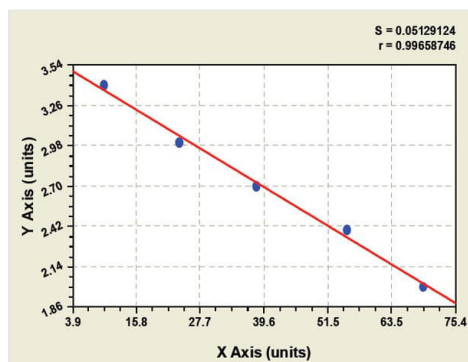
PRODUCT SYNONYMS

Protein Z; Human Protein Z ELISA Kit; ProZ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ProZ elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This ProZ ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ProZ. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY ProZ ELISA kit PRINCIPLE OF THE ASSAY competitive enzyme immunoassay technique utilizing a monoclonal anti-ProZ antibody and an ProZ-HRP conjugate. The assay sample and buffer are incubated together with ProZ-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 ProZ concentration since ProZ from samples and ProZ-HRP conjugate compete for the anti-ProZ antibody binding site. Since the number of sites is limited, as more sites are occupied by ProZ from the sample, fewer sites are left to bind ProZ-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ProZ concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ProZ elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	190466
NCBI GeneID	8858
Molecular Weight	47,053 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
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.