

## Monkey Protein Z ELISA Kit | ProZ elisa kit

Monkey Protein Z ELISA Kit

CATALOG #  
**AAA89511**

REACTIVITY  
**Monkey**

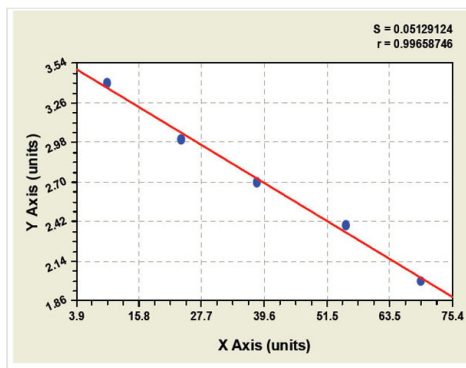
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Monkey                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                              |
| Assay Type              | Competitive                                                                                                                                                                             |
| Detection Range         | 25-500pg/mL                                                                                                                                                                             |
| Sensitivity             | 1.0pg/mL                                                                                                                                                                                |
| Intended Uses           | This ProZ ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey ProZ. 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 ProZ elisa kit

**Principle of the Assay:** ProZ ELISA kit applies the 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.

## 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                | <b>PROZ</b>                                        |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/proz-monkey-elisa-kits/protein-z/89511>