

## Human Pregnancy Zone Protein (PZP) ELISA Kit | PZP elisa kit

Human Pregnancy Zone Protein (PZP) ELISA Kit

CATALOG #  
**AAA331193**

REACTIVITY  
**Human**

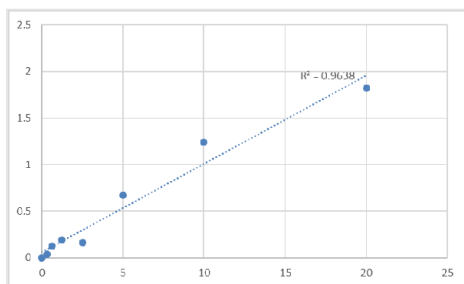
### PRODUCT SYNONYMS

Pregnancy Zone Protein (PZP); Human Pregnancy Zone Protein (PZP) ELISA Kit; PZP; CPAMD6; MGC133093; Pregnancy zone protein; PZP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Pregnancy zone protein (PZP) ELISA Kit has high sensitivity and excellent specificity for detection of Human PZP. No significant cross-reactivity or interference between Human PZP and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence Length         | 1482                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Human Pregnancy zone protein (PZP) Standard Curve.

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PZP elisa kit | <p>Description: This Human Pregnancy zone protein (PZP) ELISA Kit employs a two-site sandwich ELISA to quantitate PZP in samples. An antibody specific for PZP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PZP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PZP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PZP bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: Pregnancy zone protein (PZP), one of the major pregnancy-associated plasma proteins, was described by Smithies (1959) who used zone-electrophoresis in starch gels. PZP is a prominent constituent of late-pregnancy sera. In healthy, nonpregnant females and in males, PZP is present in trace amounts only: females, 10-30 mg/l; males, less than 10 mg/l. During pregnancy, PZP levels may reach 1000-1400 mg/l just before term. Sottrup-Jensen et al. (1984) showed that PZP closely resembles alpha-2-macroglobulin in structure. Both have a quaternary structure of 2 covalently bound 180-kD subunits which are further noncovalently assembled into a tetramer of 720 kD. Amino acid sequence of the 2 proteins are extensively homologous.</p> |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                            |                        |
|----------------------------|------------------------|
| NCBI GI #                  | 281185515              |
| UniProt Accession #        | P20742                 |
| NCBI Official Full Name    | Pregnancy zone protein |
| UniProt Protein Name       | Pregnancy zone protein |
| UniProt Gene Name          | PZP                    |
| UniProt Synonym Gene Names | CPAMD6                 |
| UniProt Entry Name         | PZP_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](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/pregnancy-zone-protein-pzp/331193>