

## Canine Placental Protein 13 ELISA Kit | PP13 elisa kit

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CATALOG #  
**AAA90890**

REACTIVITY  
**Canine**

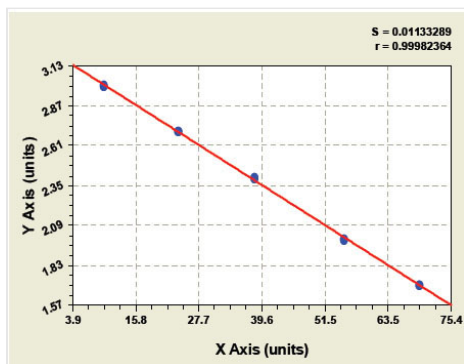
### PRODUCT SYNONYMS

Placental Protein 13; Canine Placental Protein 13 ELISA Kit; PP13 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Canine                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                              |
| Assay Type              | Competitive                                                                                                                                                                             |
| Detection Range         | 50-1000pg/mL                                                                                                                                                                            |
| Sensitivity             | 1.0pg/mL                                                                                                                                                                                |
| Intended Uses           | This PP13 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PP13. 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 PP13 elisa kit

**Principle of the Assay:** PP13 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PP13 antibody and an PP13-HRP conjugate. The assay sample and buffer are incubated together with PP13-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 PP13 concentration since PP13 from samples and PP13-HRP conjugate compete for the anti-PP13 antibody binding site. Since the number of sites is limited, as more sites are occupied by PP13 from the sample, fewer sites are left to bind PP13-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PP13 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 6650760                                                                                                                                                     |
| NCBI GeneID                      | 29124                                                                                                                                                       |
| Molecular Weight                 | 16,119 Da                                                                                                                                                   |
| NCBI Official Full Name          | placental protein 13                                                                                                                                        |
| NCBI Official Synonym Full Names | lectin, galactoside-binding, soluble, 13                                                                                                                    |
| NCBI Official Symbol             | LGALS13                                                                                                                                                     |
| NCBI Official Synonym Symbols    | PP13; GAL13; PLAC8                                                                                                                                          |
| NCBI Protein Information         | galactoside-binding soluble lectin 13; gal-13; galectin 13; galectin-13; placental protein 13; placental tissue protein 13; beta-galactoside-binding lectin |
| UniProt Protein Name             | Galactoside-binding soluble lectin 13                                                                                                                       |
| UniProt Gene Name                | LGALS13                                                                                                                                                     |
| UniProt Synonym Gene Names       | PLAC8; Gal-13; PP13; Placental protein 13                                                                                                                   |
| UniProt Entry Name               | PP13_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/pp13-canine-elisa-kits/placental-protein-13/90890>