

## Canine Periostin ELISA Kit | POSTN elisa kit

Canine Periostin ELISA Kit

CATALOG #  
**AAA95733**

REACTIVITY  
**Canine**

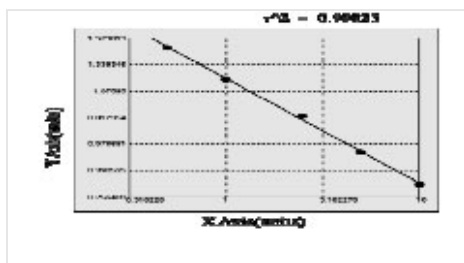
### PRODUCT SYNONYMS

Periostin; Canine Periostin ELISA Kit; POSTN elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Canine                                                                     |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 0.1 ng/mL                                                                  |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for POSTN elisa kit

**Intended Uses:** This POSTN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine POSTN.

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

### NCBI AND UNIPROT INFORMATION

NCBI GI #

209862907

|                                  |                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | <a href="#">10631</a>                                                                            |
| NCBI Accession #                 | <a href="#">NP_006466.2</a>                                                                      |
| NCBI GenBank Nucleotide #        | <a href="#">NM_006475.2</a>                                                                      |
| Molecular Weight                 | 80,357 Da                                                                                        |
| NCBI Official Full Name          | periostin isoform 1                                                                              |
| NCBI Official Synonym Full Names | periostin, osteoblast specific factor                                                            |
| NCBI Official Symbol             | POSTN                                                                                            |
| NCBI Official Synonym Symbols    | PN; OSF2; OSF-2; PDLPOSTN; periostin                                                             |
| NCBI Protein Information         | periostin; periodontal ligament-specific periostin; osteoblast specific factor 2 (fascin I-like) |
| UniProt Protein Name             | Periostin                                                                                        |
| UniProt Gene Name                | <b>POSTN</b>                                                                                     |
| UniProt Synonym Gene Names       | OSF2; PN; OSF-2                                                                                  |
| UniProt Entry Name               | POSTN_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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