

## Goat Osteopontin ELISA Kit | OPN elisa kit

Goat Osteopontin ELISA Kit

CATALOG #  
**AAA93360**

REACTIVITY  
**Goat**

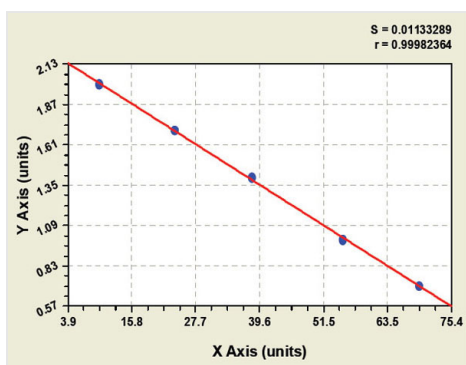
### PRODUCT SYNONYMS

Osteopontin; Goat Osteopontin ELISA Kit; OPN elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Goat                                                                       |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | 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 OPN elisa kit

**Intended Uses:** This OPN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat OPN. This ELISA kit for research use only!

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

#### Product Categories/Family for OPN elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 189405                                                                                                                                                                                                                                                                                          |
| NCBI GeneID                      | 6696                                                                                                                                                                                                                                                                                            |
| UniProt Accession #              | P10451; Q15681; Q15682; Q15683; Q4W597; Q8NBK2; Q96IZ1; B2RDA1; Q3LGB0; Q567T5                                                                                                                                                                                                                  |
| Molecular Weight                 | 35,423 Da                                                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | osteopontin                                                                                                                                                                                                                                                                                     |
| NCBI Official Synonym Full Names | secreted phosphoprotein 1                                                                                                                                                                                                                                                                       |
| NCBI Official Symbol             | SPP1                                                                                                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | OPN; BNSP; BSPI; ETA-1                                                                                                                                                                                                                                                                          |
| NCBI Protein Information         | osteopontin; uropontin; nephropontin; SPP1/CALPHA1 fusion; urinary stone protein; early T-lymphocyte activation 1; osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein; secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1) |
| UniProt Protein Name             | Osteopontin                                                                                                                                                                                                                                                                                     |
| UniProt Gene Name                | SPP1                                                                                                                                                                                                                                                                                            |
| UniProt Synonym Gene Names       | BNSP; OPN; SPP-1                                                                                                                                                                                                                                                                                |
| UniProt Entry Name               | OSTP_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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