

## Goat Phospholamban ELISA Kit | PLN elisa kit

Goat Phospholamban ELISA Kit

CATALOG #  
**AAA90471**

REACTIVITY  
**Goat**

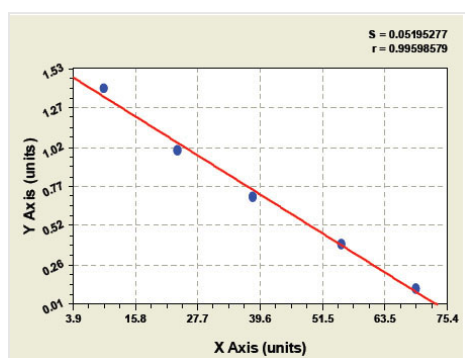
### PRODUCT SYNONYMS

Phospholamban; Goat Phospholamban ELISA Kit; PLN 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.                                                                                                                                                                          |
| Intended Uses           | This PLN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat PLN. 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 PLN elisa kit

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

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

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

|                                  |                       |
|----------------------------------|-----------------------|
| NCBI GI #                        | 190019                |
| NCBI GeneID                      | 5350                  |
| UniProt Accession #              | P26678; Q5R352        |
| Molecular Weight                 | 6,109 Da              |
| NCBI Official Full Name          | phospholamban         |
| NCBI Official Synonym Full Names | phospholamban         |
| NCBI Official Symbol             | PLN                   |
| NCBI Official Synonym Symbols    | PLB; CMD1P; CMH18     |
| NCBI Protein Information         | cardiac phospholamban |
| UniProt Protein Name             | Cardiac phospholamban |
| UniProt Gene Name                | PLN                   |
| UniProt Synonym Gene Names       | PLB; PLB              |
| UniProt Entry Name               | PPLA_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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