

Goat Phospholamban ELISA Kit | PLN elisa kit

Goat Phospholamban ELISA Kit

CATALOG #
AAA90471

REACTIVITY
Goat

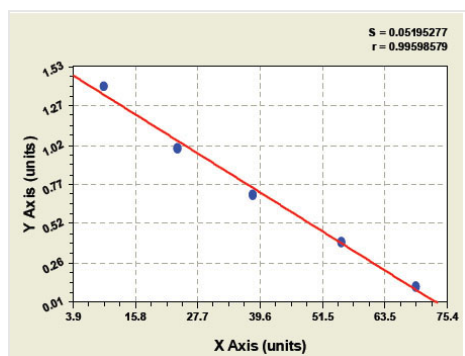
PRODUCT SYNONYMS

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/pln-goat-elisa-kits/phospholamban/90471>