

Mouse Phospholamban ELISA Kit | PLN elisa kit

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CATALOG #
AAA85816

REACTIVITY
Mouse

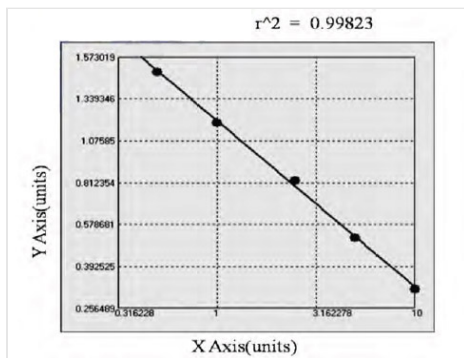
PRODUCT SYNONYMS

Phospholamban; Mouse Phospholamban ELISA Kit; PLN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PLN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	190019
NCBI GeneID	5350
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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Online datasheet: <https://stage.aaabiotech.com/pln-mouse-elisa-kits/phospholamban/85816>