

Rat Phospholipase B ELISA Kit | PLB elisa kit

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CATALOG #
AAA95481

REACTIVITY
Rat

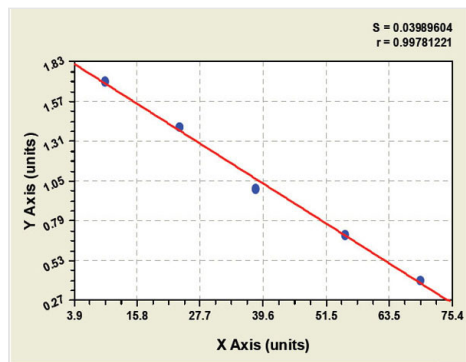
PRODUCT SYNONYMS

Phospholipase B; Rat Phospholipase B ELISA Kit; PLB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This PLB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PLB. 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 PLB elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	3172337
Molecular Weight	162,176 Da
NCBI Official Full Name	phospholipase B
UniProt Protein Name	Phospholipase B1, membrane-associated
UniProt Gene Name	PLB1
UniProt Synonym Gene Names	PLB; Phospholipase B; PLB/LIP
UniProt Entry Name	PLB1_CAVPO

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/plb-rat-elisa-kits/phospholipase-b/95481>