

Rat Phospholipase C ELISA Kit | PLC elisa kit

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CATALOG #
AAA82757

REACTIVITY
Rat

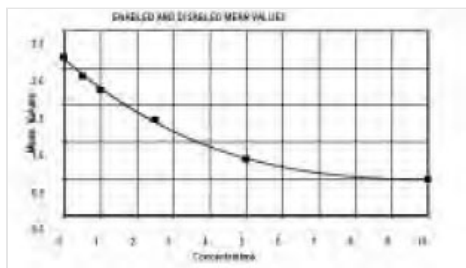
PRODUCT SYNONYMS

Phospholipase C; Rat Phospholipase C ELISA Kit; PLC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLC elisa kit	For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma Intended Uses: This PLC ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of PLC in the sample, this PLC ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus PLC concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of PLC utilizes a monoclonal anti-PLC antibody and an PLC-HRP conjugate. The assay sample and buffer are incubated together with PLC-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 PLC concentration since PLC from samples and PLC-HRP conjugate compete for the anti-PLC antibody binding site. Since the number of sites is limited, as more sites are occupied by PLC from the sample, fewer sites are left to bind PLC-HRP conjugate. Standards of known PLC concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of PLC. The PLC concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PLC elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	295765
UniProt Accession #	P09598
Molecular Weight	32,383 Da
NCBI Official Full Name	PLC
UniProt Protein Name	Phospholipase C
UniProt Gene Name	plc
UniProt Synonym Gene Names	PLC
UniProt Entry Name	PHLC_BACCE

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.