CREATIVE BIOMART®
Assay Kit

sPLA2 Activity Assay Kit

Product Information

Cat.No. Kit-0699

Product Overview

PLA2 (sPLA2) Assay kit provides an accurate and convenient method for measurement of sPLA2 activity. This assay uses the 1,2-dithio analog of diheptanoyl phosphatidylcholine which serves as a substrate for most PLA2s (for example, bee and cobra venoms, pancreatic, etc.) with the exception of cytosolic PLA2. Upon hydrolysis of the thio ester bond at the sn-2 position by PLA2, free thiols are detected using DTNB (5,5-dithio-bis-(2-nitrobenzoic acid)).

Description

Phospholipase A2 (PLA2) catalyzes the hydrolysis of phospholipids at the sn-2 position yielding a free fatty acid and a lysophospholipid. The release of arachidonic acid from membrane phospholipids by PLA2 is believed to be a key step in the control of eicosanoid production within the cell.

Usage

Please read these instructions carefully before beginning this assay. For research use only. Not for human or diagnostic use.

Storage

Stability: 1 year;Storage: -20°C;This kit will perform as specified if stored at -20°C and used before the expiration date indicated on the outside of the box.

Kit Components

sPLA2 Assay Buffer (10X): 1 vial;sPLA2 DTNB: 4 vials;sPLA2 Diheptanoyl Thio-PC (Substrate): 2 vials;Bee venom PLA2 Control: 1 vial;96-Well Plate (Colorimetric Assay): 1 plate;96-Well Cover Sheet: 1 cover.

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