CREATIVE BIOMART®
Assay Kit

Phospholipase D Assay Kit

Product Information

Cat.No. Kit-0704

Product Overview

Phospholipase D Assay Kit is a quantitative colorimetric/fluorimetric phospholipase D activity determination.

Description

PHOSPHOLIPASE D (PLD) catalyses the hydrolysis of the phosphodiester bond of glycerophospholipids to generate phosphatidic acid and a free headgroup. Abnormalities in PLD expression have been associated with human cancers.

Applications

Direct Assays: phospholipase D in biological samples.Drug Discovery/Pharmacology: effects of drugs on phospholipase D metabolism.

Usage

For research use only (RUO)

Storage

Store all components at -20°C. Shelf life of six months after receipt.

Kit Components

Assay Buffer 10 mLDye Reagent 120 µLEnzyme Mix (Dried) 1 vialSubstrate 1.5 mLCalibrator 400 µL

Detection method Colorimetric, Fluorometric

Compatible Sample Types

Biological Sample

Features & Benefits

Sensitive. Use 10 µL samples. Detection range: colorimetric assay 0.06 - 10 U/L, fluorimetric assay 0.04 - 1 U/L.Simple and High-throughput: the assay involves addition of a single working reagent and can be readily adapted to high-throughput assays for drug screening.

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