CREATIVE BIOMART®
Assay Kit

# Phospholipase D Assay Kit

## Product Information

**Cat**

Kit-2483

**Cat.No.** Kit-2483

**Product Overview**

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. method provides a simple and high-throughput assay for measuring PLD activity. In this assay, PLD hydrolyzes phosphatidylcholine to choline which is determined using choline oxidase and a H2O2 specific dye. The optical density of the pink colored product at 570nm or fluorescence intensity (530/585 nm) is directly proportional to the PLD activity in the sample.

**Storage**

-20°C

**Shipping**

On Ice

**Size**

100 tests

**Detection method** OD570nm, or FL530/585nm

**Compatible Sample Types**

Biological

**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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| Assay time |
| --- |
| 30 min |
| **Sensitivity** |
| 0.04 U/L |

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