CREATIVE BIOMART®
Assay Kit

PI3-Kinase Fluorometric Assay Kit

Product Information

Cat.No. Kit-0494

Product Overview

Simple procedure Fast and convenient

Size

400 assays

Description

The PhosphoSeek Technology for screening of kinase and phosphatase activities is a robust and homogeneous detection platform that measures the activity of a target enzyme. Assays are non-competitive with respect to substrate and do not require radioactive materials or secondary (detector) enzymes or antibodies. These biochemical assays are ideally suited for automated screening and can be read on any fluorometer. The Sensor is a proprietary fluorescent molecule that contains a trivalent metal ion, which binds to phosphorylated biological substrates. Phosphorylation is measured by the change of fluorescence of a dye-labeled and phosphorylated substrate when bound by the Sensor. The change in fluorescence directly correlates to the level of substrate conversion.

Applications

Measure enzyme activity from purified enzyme preparation, screen PI3-K Inhibitor Candidates using purified/recombinant enzymes

Target Species

Mammalian

Usage

For Research Use Only! Not For Use in Humans

Storage

MT

Kit Components

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Assay Kit

PI3-Kinase Fluorometric Assay Kit

• Assay Buffer • Lipid Substrate • Calibrator • Post Reaction Buffer • Sensor Stock • Sensor Dilution Buffer • ATP • DTT • 384 well plate

Detection method Fluorescence (Ex/Em 540/580 nm)

Compatible Sample Types

Purified/Isolated enzyme; PI3-K Inhibitor Candidates

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