CREATIVE BIOMART®
Assay Kit

Universal Kinase Fluorometric Assay Kit

Product Information

Cat.No. Kit-0496

Product Overview

Universal Kinase Assay Kit (Fluorometric) is based on monitoring ADP formation, which is directly proportional to enzyme phosphotransferase activity and is measured fluorimetrically. This enzyme-coupled kit provides a fast, simple, and homogeneous assay to measure kinase activities. It is a non-radioactive and no wash method to detect the amount of ADP produced from enzyme reaction. Its characteristics of high sensitivity.

Size

250 tests

Description

Protein kinases are the enzymes that transfer a phosphate group from a phosphate donor to an acceptor amino acid in a substrate protein. Kinases are of great interest to researchers involved in drug discovery. Most of the commercial protein kinase assay kits are based on monitoring either the phosphopeptide formation or the ATP depletion. For the kinase assay kits that are based on the detection of phosphopeptides, one has to spend time and efforts to identify an optimized peptide substrate while the ATP depletion method suffers various interferences due to the use of luciferase that are inhibited or activated by various biological compounds.

Applications

Functional Studies more details

Target Species

Reacts with: Human; Predicted to work with: A wide range of mammals

Storage

Store at -20°C.

Kit Components

Components: 250 tests; ADP Assay Buffer: 1 x 10ml; ADP Sensor Buffer: 1 x 5ml; ADP Sensor I (Light-

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sensitive): 1 vial; ADP Sensor II: 1 x 2.5ml; ADP Standard: 1 vial; DMSO: 1 x 100µl

Compatible Sample Types

Cell Lysate, Purified protein

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