CREATIVE BIOMART®
Assay Kit

NADPH Quantitation Fluorometric Assay Kit

Product Information

Cat

Kit-2261

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Product Overview

NADP (nicotinamide dinucleotide) is a major electron donor for anabolic reactions such as lipid and nucleic acid synthesis. The reduced form, NADPH is a cofactor for many redox enzymes. It is of increasing interest to be able to measure low level of intracellular NADPH. NADPH Quantitation Assay kit provides a highly sensitive method to detect intracellular NADPH. NADH is not detected as the NADPH Recycling Enzyme Mix specifically recognizes NADPH in the enzyme recycling reaction. The assay is rapid, simple and does not require purifying NADPH from samples. The kit can measure less than 40 nM NADPH in a variety of samples.

Applications

Measurement of NADPH in various tissues/cellsAnalysis of metabolism and cell signaling in various cells.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

NADPH Extraction Buffer; NADPH Cycling Buffer; PicoProbe; NADPH Cycling Enzyme Mix; NADPH Standard (Lyophilized)

Detection method Fluorescence (Ex/Em = 535/587 nm)

Tel: 1-631-559-9269 1-516-512-3133
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Fax:1-631-938-8127
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Features & Benefits

Simple, rapid & convenient; The kit can measure less than 40 nM NADPH in a variety of samples

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