CREATIVE BIOMART®
Assay Kit

NAD+/NADH Colorimetric Assay Kit (384-well)

Product Information

Cat

Kit-1048

Common Name

NAD/NADH

Cat.No. Kit-1048

Description

Nicotinamide Adenine Dinucleotide (NAD) is a co-enzyme indispensible for the activity of multiple catalytic proteins. NAD+ and NADH, its reduced form, participate in many biological redox reactions. NAD+ is mostly associated with redox enzymes required for catabolic reaction and energy production. NADH/NAD Quantification Kit provides a convenient tool for a sensitive detection of NADH, NAD and their ratio. There is no requirement to purify NADH or NAD from samples. The NADH selective developer develops color while reacting with NADH and can be detected at OD 450 nm. The total NAD can be easily quantified by comparing with the provided NADH standard. The method is quantitative, rapid, simple, sensitive, and designed for high throughput format.The kit can detect as low as 0.04 pmol of NADH in a 384 well assay plate. The reaction specifically detects NADH and NAD, but not NADP nor NADPH.

Applications

NADH/NAD Quantification Kit provides a convenient tool for sensitive detection of the intracellular nucleotides: NADH, NAD and their ratio

Storage

-20°C

Shipping

Gel Pack

Size

400 assays

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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Kit Components

NADH/NAD Extraction Buffer; NAD Cycling Buffer; NAD Cycling Enzyme Mix; NADH Developer; Stop Solution; NADH Standard

Target Species

Mammalian

Detection method Absorbance (450 nm)

Features & Benefits

Simple procedure; takes ~2 hours;
Fast and convenient;
Kit contains the necessary reagents for accurate measurement of NAD and NADH and their ratio.

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