CREATIVE BIOMART®
Assay Kit

FAD Colorimetric/Fluorometric Assay Kit

Product Information

Cat

Kit-1040

Common Name

FAD

Cat.No. Kit-1040

Description

Flavin Adenine Dinucleotide (FAD) is a redox cofactor which plays an important role in metabolism. FAD exists in different redox states and cycles between FAD, FADH and FADH2. The primary sources of reduced FAD in eukaryotic metabolism are the citric acid cycle and the beta oxidation reaction pathways. In FAD Assay Kit, FAD functions as the cofactor of an oxidase which catalyze the formation of a product that reacts with OxiRed probe generating color and fluorescence. FAD can be detected by either colorimetric (λ=570 nm) or fluorometric (Ex/Em=535/587 nm) methods. The kit provides a rapid, simple, ultra-sensitive, and reliable test suitable for high throughput assay of FAD. The lower limit of detection is less than 1 nM FAD.

Applications

Applications- FAD functions as the cofactor of an oxidase which catalyze the formation of a product that reacts with OxiRed probe generating color and fluorescence.The lower limit of detection is less than 1 nM FAD.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

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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FAD Assay Buffer; OxiRed Probe; Dimethylsulfoxide (DMSO; Dried); FAD Enzyme Mix (lyophilized); FAD Standard (1 nmol); Stop Solution

Target Species

Mammalian

Detection method Absorbance (570 nm) or Fluorescence (Ex/Em535/587 nm)

Features & Benefits

Simple procedure;
Fast and convenient;
The assay is sensitive, stable and high-throughput adaptable.

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