CREATIVE BIOMART®
Assay Kit

GAPDH Activity Assay Kit

Product Information

Cat

Kit-2216

Cat.No. Kit-2216

Product Overview

GAPDH (Glyceraldehyde-3-Phosphate Dehydrogenase; EC 1.2.1.12) catalyzes the conversion of Glyceraldehyde-3-Phosphate (GAP) to 1, 3-Bisphosphate Glycerate (BPG) and plays a key role in glycolysis. The enzyme is involved in cellular processes such as apoptosis, membrane trafficking, iron metabolism and nuclear translocation. GAPDH (housekeeping gene) expression is stable and constitutive. Deregulation of GAPDH activity is associated with abnormal cell proliferation and carcinogenesis. Accurate quantitation of GAPDH activity is important for diagnosing diseases and studying normal cellular physiology. GAPDH Activity Assay Kit provides a simple and sensitive method for monitoring GAPDH activity in various samples. In this assay, GAPDH catalyzes conversion of GAP into BPG and an intermediate, which reacts with a developer to form a colored product that absorbs maximally at 450 nm. Our high-throughput adaptable assay can detect GAPDH activity as low as 100 μU/mL in a variety of samples.

Applications

Measurement of glyceraldehyde-3-phosphate dehydrogenase (GAPDH) activity in various tissues/cells;
Analysis ofglycolysis and pentose phosphate pathways.

Storage

-20°C

Shipping

Gel Pack

Size

100 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

CREATIVE BIOMART®
Assay Kit

GAPDH Activity Assay Kit

Kit Components

GAPDH Assay Buffer; GAPDH Substrate; GAPDH Developer; NADH Standard (500 nmol); GAPDH Positive Control

Detection method Absorbance (450 nm)

Features & Benefits

Simple, rapid & convenient; can measure GAPDH activityas low as 100 μU/mLin a variety of samples

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