CREATIVE BIOMART®
Assay Kit

Intracellular Total ROS Activity Assay Kit (Green Fluorescence)

Product Information

Cat.No. Kit-0770

Product Overview

Intracellular Total ROS Activity Assay Kit (Green Fluorescence) is used for the measurement of intracellular total ROS activity.

Description

Reactive oxygen species (ROS) are natural byproducts of the normal metabolism of oxygen and play important roles in cell signaling. However, during oxidative stress-related states, ROS levels can increase dramatically. The accumulation of ROS results in significant damage to cell structures. The role of oxidative stress in cardiovascular disease, diabetes, osteoporosis, stroke, inflammatory diseases, a number of neurodegenerative diseases and cancer has been well established. The ROS measurement will help to determine how oxidative stress modulates varied intracellular pathways. Intracellular Total ROS Activity Assay Kit (Green Fluorescence) uses our unique ROS sensor to quantify ROS in live cells. ROS Green is cell-permeable. It generates the green fluorescence when it reacts with ROS. The kit is an optimized "mix and read" assay format that is compatible with HTS liquid handling instruments.

Applications

Detection of ROS in Jurkat cells.

Usage

For research use only (RUO)

Storage

Keep in freezerAvoid exposure to lightAvoid repeated freeze-thaw cycles

Kit Components

Component A: ROS Green 1 vialComponent B: Assay Buffer 20 mLComponent C: DMSO 200 µL

Detection method Fluorometric

Compatible Sample Types

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

Intracellular Total ROS Activity Assay Kit (Green Fluorescence)

Live Cells

Features & Benefits

Broad Application: Can be used for quantifying ROS in live cells.Continuous: Easily adapted to automation without a separation step.Convenient: Formulated to have minimal hands-on time.Non-Radioactive: No special requirements for waste treatment.

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