CREATIVE BIOMART®
Assay Kit

Cytochrome c Release Assay Kit

Product Information

Cat.No. Kit-0266

Product Overview

Mitochondrial Cytochrome c Release Assay

Size

1 kit/100 assays

Description

Cytochrome c plays an important role in apoptosis. The protein is located in the space between the inner and outer mitochondrial membranes. An apoptotic stimulus triggers the release of cytochrome c from the mitochondria into cytosol where it binds to Apaf-1. The cytochrome c/Apaf-1 complex activates caspase-9, which then activates caspase-3 and other downstream caspases. The Cytochrome c Releasing Apoptosis Assay Kit provides an effective means for detecting cytochrome c translocation from mitochondria into cytosol during apoptosis. The kit provides unique formulations of reagents to isolate a highly enriched mitochondria fraction from cytosol. The procedure is so simple and easy to perform, no ultracentrifugation is required and no toxic chemicals are involved. Cytochrome c releasing from mitochondria into cytosol is then determined by Western blotting using the cytochrome c antibody provided in the kit.

Applications

Effective means for detecting cytochrome c translocation from mitochondria into cytosol during apoptosis. The kit provides an easy-to-use procedure and reagents for separating a mitochondria-enriched fraction from cytosol.

Target Species

Mammal

Usage

For research use only. Not intended for any diagnostic or therapeutic purpose.

Storage

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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Store at -20°C. Product has an expected shelf life of 12 months.

Kit Components

Mitochondria Extraction Buffer: 10 ml;5X Cytosol Extraction Buffer: 20 ml; DTT (1 M): 110 μL; 500X Protease Inhibitor Cocktail (Lyophilized): 1 vial-Add 250 μL DMSO to dissolve the 500X Protease Inhibitor Cocktail before use; Anti-Cytochrome c Mouse mAb (0.2 mg/ml): 0.5 ml

Detection method Western blotting

Compatible Sample Types

Cells and Tissues

Features & Benefits

1. Simple procedure; takes ~3 hours.2. Fast and convenient.3. Cytochrome c releasing from mitochondria into cytosol is then determined by Western blotting using the cytochrome c antibody provided in the kit. The procedure is simple and straightforward. No ultracentrifugation is required. The kit provides optimal reagents and antibodies for 100 assays.

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