Cytochrome c Release Assay Kit

Cat. No. GTX85531

References (2)
Package
1 kit

PRODUCT

For full product information, images and publications, please visit our website.

GeneTex, Inc. (North America)
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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. GeneTex's 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.

· Detection method- Western blotting

· Sample type- Cells and Tissues

· Species reactivity- Mammalian

· Kit size- 100 assays

· 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.

Summary

Features and Benefits

· Simple procedure; takes ~3 hours

· Fast and convenient

· 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

Kit Contents:

Mitochondria Extraction Buffer

5X Cytosol Extraction Buffer

DTT (1 M)

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)

Properties

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

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