CREATIVE BIOMART®
Assay Kit

ApoBrdU DNA Fragmentation Assay Kit

Product Information

Cat

Kit-2240

Cat.No. Kit-2240

Product Overview

Internucleosomal DNA fragmentation is a hallmark of apoptosis in mammalian cells. Apo-BrdU In Situ DNA Fragmentation Assay Kit provides complete components including positive and negative control cells for conveniently detecting DNA fragmentation by fluorescence microscopy or flow cytometry. The kit utilizes Br-dUTP (bromolated deoxyuridine triphosphate nucleotides) which is more readily incorporated into DNA strand breaks than other larger ligands (e.g., fluorescein, biotin or digoxigenin). The greater incorporation gives rise to brighter signal when the Br-dUTP sites are identified by a fluorescein labeled anti-BrdU monoclonal antibody.

Applications

The TUNEL-based assay kit provides complete components including positive and negative control cells for convenient detection of DNA fragmentation in cultured cells and tissue sections.

Storage

-20°C

Shipping

Gel Pack

Size

60 assays

Kit Components

Positive Control Cells; Negative Control Cells; Wash Buffer; Reaction Buffer; TdT Enzymes; Br-dUTP; Rinse Buffer; Anti-BrdU-FITC Antibody; PI/RNase Staining Buffer

Target Species

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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Mammalian

Detection method	Flow cytometry (Ex/Em = 488/520 nm for FITC, and 488/623 nm for PI) and fluorescence microscopy (FITC and rhodamine filters)

Features & Benefits

Simple procedure; takes ~ 3 hours;
Fast and convenient;
The assay is sensitive and stable;
The TUNEL-based assay kit provides complete components including positive and negative control cells for convenient detection of DNA fragmentation in cultured cells and tissue sections.

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