CREATIVE BIOMART®
Assay Kit

Multi-Parameter Apoptosis Assay Kit

Product Information

Cat.No. Kit-0612

Product Overview

Multi-Parameter Apoptosis Assay Kit is a measurement for detecting apoptosis cells.

Description

Apoptosis is a programmed, well controlled process of cell death in which a sequence of biochemical events leads to characteristic changes in cell morphology and eventually cell death. These changes include loss ofcell membrane asymmetry, cell shrinkage, membrane blebbing, nuclear fragmentation, and chromatin condensation. During an organism"s life cycle, apoptosis plays a vital role in normal development and maintenance of tissue homeostasis by eliminating old, unnecessary, and unhealthy cells. Dysregulation of apoptosis results in pathological conditions including neurodegenerative diseases, ischemic damage, autoimmune disorders, and cancer. The ability to modulate cell fate (life or death) is thus recognized as an immense therapeutic potential in drug discovery. Research continues to focus on the elucidation and analysis of signaling pathways that control apoptosis.

Usage

For research use only (RUO)

Storage

This kit will arrive packaged as a -20°C kit. For best results, remove components and store as stated below.Item StorageCell-Based Annexin V FITC 4°CCell-Based Assay Annexin V Binding Buffer (10X) Room TemperatureCell-Based Assay 7-AAD Staining Stock Solution(1,000X) 4°CCell-Based Assay TMRE -20°CCell-Based Assay Hoechst Dye 4°C

Kit Components

Cell-Based Annexin V FITC 50 µLCell-Based Assay Annexin V Binding Buffer (10X) 50 mLCell-Based Assay 7-AAD Staining Stock Solution(1,000X) 50 µLCell-Based Assay TMRE 100 µLCell-Based Assay Hoechst Dye 50 µL

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