CREATIVE BIOMART®
Assay Kit

Anoikis Assay kit

Product Information

Cat.No. Kit-2093

Product Overview

The Anoikis assay kit quantifies live cells using fluorometric (Calcein AM) reagents and a proprietary coated chamber that mimics Anoikis conditions. Our assay is easy to use, sensitive and compatible with fluorimeters.

Size

100 assays

Description

Anoikis is a form of cellular apoptosis induced by the inability of normal cells to attach to the extracellular matrix (ECM). Incorrect attachment or no ECM attachment could affect cell growth and differentiation in normal cells. However, research studies has determined that metastatic cells can undergo Anoikis without affecting their ability to migrate and invade surrounding or distant organs.

Applications

Measure cell anoikis in response to stimuli.Screen, study, or characterize compounds that influence Anoikis.HTP adaptable

Target Species

Mammalian cells

Storage

Store kit at -20°C, protected from light. Components should be opened and kept under sterile conditions. Briefly centrifuge small vials prior to opening. Assay is performed under sterile conditions. Read entire protocol before performing the experiment.Anoikis Chamber: Ready to use. Keep at Room temperature.Calcein AM: Resuspend in 220 µl anhydrous DMSO (not provided). Aliquot and store -20°C. Use within 2 months.Assay Buffer: Ready to use. Keep at 4°C.

Kit Components

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Anoikis Assay kit

Assay Buffer: 100 mlAnoikis Chamber: 1 eachChamber Control (Uncoated): 1 eachCalcein AM Dye: 1 vial

Detection method Fluorescence (Ex/Em = 485/530 nm)

Compatible Sample Types

• Metastatic cell lines• Anoikis inhibitor or stimuli

Features & Benefits

• Highly sensitive fluorometric method to measure cell Anoikis in response to a variety of biochemical stimuli• Simple & High throughput-adaptable• Reproducible, Quantitative tool for screening, studying, and characterizing compounds that affect Anoikis

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