CREATIVE BIOMART®
Assay Kit

Caspase-10 Fluorometric Assay Kit

Product Information

Cat.No. Kit-0157

Product Overview

Fluorometric assay kit for caspase-10 activity

Size

100 assay

Description

Activation of ICE-family proteases/caspases initiates apoptosis in mammalian cells. The Caspase-10 Fluorometric Assay Kit provides a simple and convenient means for assaying the activity of caspases that recognize the sequence AEVD. The assay is based on detection of cleavage of substrate AEVD-AFC (AFC: 7-amino-4-trifluoromethyl coumarin). AEVD-AFC emits blue light (λmax = 400 nm); upon cleavage of the substrate by caspase-10 or related caspases, free AFC emits a yellow-green fluorescence (λmax = 505 nm), which can be quantified using a fluorometer or a fluorecence microtiter plate reader.

Applications

Detect early/middle stages of apoptosis; differentiate apoptosis from necrosis.

Target Species

Mammal

Usage

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

Storage

Store at -20°C. Product has an expected shelf life of 6-12 months.

Kit Components

Cell Lysis Buffer;2X Reaction Buffer;AEVD-AFC (1 mM);DTT (1 M)

Detection method Fluorecence microtiter plate reader (400-nm excitation filter and 505-nm

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

CREATIVE BIOMART®
Assay Kit

Caspase-10 Fluorometric Assay Kit

emission filter) and fluorescence microscopy
Compatible Sample Types
Cell and tissue lysates
Features & Benefits
1. Simple one-step procedure; takes only 1-2 hours.2. Fast and convenient.3. Comparison of the fluorescence of AFC from an apoptotic sample with an uninduced control allows determination of the fold increase in AEVD-dependent caspase activity.

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