CREATIVE BIOMART®
Assay Kit

Flow Cytometric Apoptosis Detection Kit

Product Information

Cat

Kit-2402

Cat.No. Kit-2402

Product Overview

Activation of members of caspase-family proteases plays a key role in apoptosis. The Flow Cytometric Apoptosis Detection Kit provides a convenient means for detecting activation of caspases by flow cytometry in; Living cells. The assay is based on the cleavage of (aspartyl)2-Rhodamine 110 (D2R), a reported substrate for members of caspase family proteases. The caspase substrate D2R is non-fluorescent, however, upon cleavage of the substrate by cellular caspases, the released rhodamine 110 gives rise to fluorescence that can be measured at excitation of 488 nm and emission of 530 nm.

Applications

Detection of activated caspases in living cells.

Storage

-20°C

Shipping

Gel Pack

Kit Components

D2R Reagent; DTT (1 M); D2R Incubation Buffer

Target Species

Mammalian

Detection method Flow cytometry, L-1 channel (Ex/Em = 488/530 nm).

Features & Benefits

Simple one-step procedure; takes only 30 minutes; Fast and convenient; D2R is more cell-permeable

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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than other fluorometric caspase substrates

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