



## Flow Cytometric Apoptosis Detection Kit

### Product Information

**Cat**

Kit-2402

**Cat.No.**

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### 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



CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

## Flow Cytometric Apoptosis Detection Kit

Simple one-step procedure; takes only 30 minutes; Fast and convenient; D2R is more cell-permeable than other fluorometric caspase substrates

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