caspILLUME Green Active Caspase-3 Staining Kit

Cat. No. GTX85555

Applications FCM

References (1)
Package
1 kit

PRODUCT

Summary

Activation of caspases plays a central role in apoptosis. The CaspILLUME? Fluorescein Active Caspase-3 Staining Kit provides a convenient means for sensitive detection of activated caspase-3 in living cells. The assay utilizes the caspase-3 inhibitor, DEVD-FMK, conjugated to FITC (FITC-DEVD-FMK) as a marker. FITC-DEVD-FMK is cell permeable, nontoxic, and irreversibly binds to activated caspase-3 in apoptotic cells.

· Detection method- Fluorescence microscopy, Flow cytometry and plate reader (Ex. = 485 nm and Em. = 535 nm)
· Sample type- Live cells
· Species reactivity- Mammalian
· Applications- Sensitive detection of activated caspase-3 in living cells.

Features and Benefits
· Simple one-step procedure; takes only 1-2 hours
· Fast and convenient
· The FITC label allows for direct detection of the activated caspases in apoptotic cells by fluorescence microscopy, flow cytometry, or fluorescence plate reader.

Kit Contents:
FITC-DEVD-FMK
Wash Buffer
Z-VAD-FMK

Applications

Application Note
*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
FCM	Assay dependent

Not tested in other applications.

Properties

Storage Store at -20ºC. Product has an expected shelf life of 6-12 months.

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

For full product information, images and publications, please visit our website.

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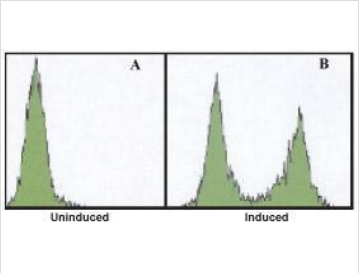
DATA IMAGES

GTX85555 Image



GTX85555 FCM Image

Detection of Caspase3 Activation Using CaspILLUME Fluorescein Caspase3 Staining Kit. Apoptosis was induced in Jurkat cells with (B) or without (A) camptothecin for 6 hours. Cells were collected and incubated with CaspILLUME in situ marker, FITCDEVDFMK, for 20 minutes according to kit instructions. Cells were then analyzed by flow cytometry in the FL1 channel.

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