caspILLUME Red Active Caspase-9 Staining Kit

Cat. No. GTX85534

Applications FCM

Package
100 assay

PRODUCT

Summary

Activation of caspases plays a central role in apoptosis. The CaspILLUMETM Red Active Caspase-9 Staining Kit provides a convenient means for detecting activated caspase-9 in living cells. The assay utilizes a caspase-9 inhibitor LEHD-FMK conjugated to sulfo-rhodamine (Red-LEHD-FMK) as the fluorescent marker. Red-LEHD-FMK is cell permeable, nontoxic, and irreversibly binds to activated caspase-9 in apoptotic cells.

· Detection method- Fluorescence microscopy, plate reader (Ex/Em = 540/570 nm) and Flow cytometry
· Sample type- Live cells
· Species reactivity- Mammalian
· Applications- Detection of activated caspase-9 in living cells.

Features and Benefits
· Simple one-step procedure; takes only 1-2 hours
· Fast and convenient
· The fluorescence label allows detection of activated caspase-9 in apoptotic cells directly by fluorescence microscopy, flow cytometry, or fluorescence plate reader.

Kit Contents:
Red-LEHD-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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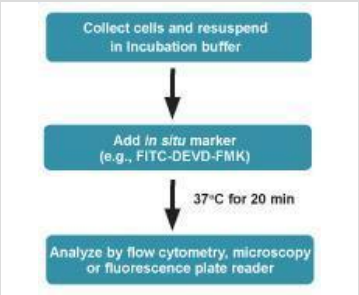
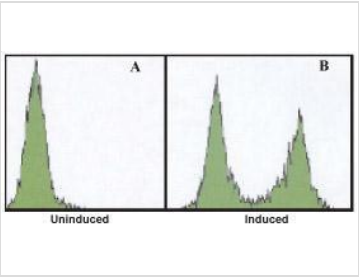
DATA IMAGES



GTX85534 Image



GTX85534 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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