

# caspiLLUME Green Active Caspase-8 Staining Kit

**Cat. No. GTX85540**

## Applications

FCM

## Package

100 assay

## PRODUCT

Activation of caspases plays a central role in apoptosis. The CaspiLLUME<sup>®</sup> Fluorescein Active Caspase-8 Staining Kit provides a convenient means for sensitive detection of activated caspase-8 in living cells. The assay utilizes the caspase-8 inhibitor, IETD-FMK, conjugated to FITC (FITC-IETD-FMK) as a fluorescent in situ marker. FITC-IETD-FMK is cell permeable, nontoxic, and irreversibly binds to activated caspase-8 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-8 in living cells.

## Summary

### 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-IETD-FMK  
Wash Buffer  
Z-VAD-FMK

## Applications

### Application Note

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

### Suggested dilution

FCM

### Recommended dilution

Assay dependent

Not tested in other applications.

## Properties

### Storage

Store at -20°C. 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.



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