

## Caspase-3/ CPP32 Inhibitor, Z-DEVD-FMK

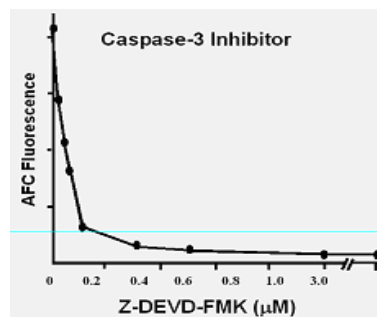
<b>CATALOG #:</b>	1009-20C
<b>LOT #:</b>	_____
<b>STORAGE CONDITIONS:</b>	Store at -20°C.
<b>SHELF LIFE:</b>	1 year under proper storage conditions
<b>MOLECULAR WEIGHT:</b>	668.0
<b>SEQUENCE:</b>	Z-Asp-Glu-Val-Asp-FMK (Z-DEVD-FMK) (FMK, fluoromethyl ketone)
<b>PURITY:</b>	>98% by HPLC analysis.
<b>PACKAGE CONTENTS:</b>	20 µl of Z-DEVD-FMK (10 mM)

### DESCRIPTION:

A synthetic peptide inhibitor that irreversibly inhibits caspase-3 and related protease/caspase activity and blocks apoptosis. DEVD is the specific recognition sequence found in poly (ADP-ribose) polymerase (PARP). The inhibitor is designed as a methyl ester to facilitate cell permeability.

### RECOMMENDED USAGE:

We recommend using 1000-5000X dilutions for inhibiting caspase-3 activity in Jurkat cell culture (e.g., Add 1 µl to 1-5 ml of culture medium). The inhibitor can be added to culture medium together with apoptosis inducer or 1 hr before inducer is added. The optimal doses may vary for different cells and culture conditions.



Apoptosis was induced in Jurkat cells with camptothecin in the presence of various concentrations (0-3 µM) of caspase-3 inhibitor as indicated. Caspase activity was analyzed using Caspase-3 fluorometric Assay Kit (K105-25).

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptotic Cell Isolation Kit

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione Fluorometric & Colorimetric Assay Kits
- Nitric Oxide Fluorometric & Colorimetric Assay Kits

#### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

#### Adipocyte & Lipid Transfer

- Adiponectin, Survivin, & Leptin Proteins and Antibodies
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay Kit
- Total Cholesterol Quantification Kit

#### Molecular Biology & Reporter Assays

- siRNA Expression Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Quality Antibodies for Apoptosis and Signal Transduction Molecules