

Caspase-13 Fluorometric Substrate, LEED-AFC

CATALOG NO: 1116-200 200 assays (1 x 1 ml)
1116-1000 1000 assays (5 x 1 ml)

STORAGE: Store at -20° C, protected from light.

SHELF LIFE: 6 months under proper storage conditions

MOL. WEIGHT: 757.66

SEQUENCE: Ac-Leu-Glu-Glu-Asp-AFC
(AFC, 7-amino-4-trifluoromethyl coumarin)

PURITY: >98% by HPLC analysis

DESCRIPTION:

Ready-to-use fluorometric substrate for caspase-13 and related caspases that recognize the amino acid sequence LEED. Caspase-13 and related caspase activity can be quantified by fluorescent detection of free AFC after cleavage from the peptide substrate LEED-AFC at Ex. = 400 nm and Em. = 505 nm, using a fluorometer or multi-well fluorescence plate reader. Alternatively, a shift in fluorescence from blue to green upon cleavage can be visualized using a hand-held long-UV lamp.

Cell Lysis Buffer (Cat. #1067-100), 2X Reaction Buffer (Cat. #1068-20), and other reagents used for caspase activity assays are also available from BioVision.

REFERENCES:

1. Thornberry, N.A., *et al.* (1997) *J. Biol. Chem.* 272:17907.

FOR RESEARCH USE ONLY! Not to be used in humans.

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
- Apoptosis siRNA Vectors

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 & 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

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

Molecular Biology & Reporter Assays

- siRNA 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

Monoclonal and Polyclonal Antibodies