



## Caspase-10 Colorimetric Assay Kit

### Product Information

#### Cat.No.

Kit-0156

#### Product Overview

Colorimetric assay kit for caspase-10 activity

#### Size

100 assay

#### Description

Activation of ICE-family proteases/caspases initiates apoptosis in mammalian cells. The Caspase-10 Colorimetric Assay Kit provides a simple and convenient means for assaying the activity of caspases that recognize the sequence AEVD. The assay is based on spectrophotometric detection of the chromophore p-nitroanilide (pNA) after cleavage from the labeled substrate AEVD-pNA. The pNA light emission can be quantified using a spectrophotometer or a microtiter plate reader at 400-or 405-nm.

#### Applications

Detect early/middle stages of apoptosis; differentiate apoptosis from necrosis.

#### Target Species

Mammal

#### Usage

For research use only. Not intended for any diagnostic or therapeutic purpose.

#### Storage

Store at -20°C. Product has an expected shelf life of 6-12 months.

#### Kit Components

Cell Lysis Buffer;2X Reaction Buffer;AEVD-pNA (4 mM);DTT (1 M);Dilution Buffer

**Detection method** Spectrophotometer (OD-400-or 405-nm) or a microtiter plate reader



CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

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### Compatible Sample Types

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Cell and tissue lysates

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### Features & Benefits

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1. Simple one-step procedure; takes only 1-2 hours. 2. Fast and convenient. 3. Comparison of the absorbance of pNA from an apoptotic sample with an uninduced control allows determination of the fold increase in AEVD-dependent Caspase activity.

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Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.org](mailto:info@creative-biomart.org)

Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA