



## Caspase-4 Colorimetric Assay Kit

### Product Information

#### Cat

Kit-1118

#### Cat.No.

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#### Description

Activation of ICE-family proteases/caspases initiates apoptosis in mammalian cells. The Caspase-4 Colorimetric Assay Kit provides a simple and convenient means for assaying the activity of caspases that recognize the sequence LEVD. The assay is based on spectrophotometric detection of the chromophore p-nitroanilide (pNA) after cleavage from the labeled substrate LEVD-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.

#### Storage

-20°C

#### Shipping

Gel Pack

#### Kit Components

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

#### Target Species

Mammalian

**Detection method** Absorbance (400or 405 nm)

#### Features & Benefits

Simple one-step procedure; takes only 1-2 hours;



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

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Fast and convenient;

Comparison of the absorbance of pNA from an apoptotic sample with an uninduced control allows determination of the fold increase in LEVD-dependent Caspase activity.

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