CREATIVE BIOMART®
Assay Kit

Caspase-2 Colorimetric Assay Kit

Product Information

Cat

Kit-1119

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Description

Activation of ICE-family proteases/caspases initiates apoptosis in mammalian cells. The Caspase-2 Colorimetric Assay Kits provide a simple and convenient means for assaying the activity of caspases that recognize the sequence VDVAD. The assay is based on spectrophotometric detection of the chromophore p-nitroanilide (pNA) after cleavage from the labeled substrate VDVAD-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; VDVAD-pNA (4 mM); DTT (1 M); Dilution Buffer

Target Species

Mammalian

Detection method Absorbance (400 or 405 nm)

Features & Benefits

Simple one-step procedure; takes 1-2 hours;
Fast and convenient;

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Comparison of the absorbance of pNA from an apoptotic sample with an uninduced control allows determination of the fold increase in caspase-2 activity.

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