

Caspase-10 Colorimetric Assay Kit

Cat. No. Kit-0156 **Lot. No.** (See product label)

SPECIFICATION

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
Compatible Sample Types	Cell and tissue lysates

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Features & Benefits

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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