Caspase-4 Colorimetric Assay Kit

Cat. No. Kit-1118 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
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; 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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