

Caspase-6 Fluorometric Assay Kit

Cat. No. Kit-0171 Lot. No. (See product label)

SPECIFICATION

Product Overview	Fluorometric assay kit for caspase-6 activity
Size	100 assay
Description	Activation of ICE-family proteases/caspases initiates apoptosis in mammalian cells. The Caspase-6 Fluorometric Assay Kit provides a simple and convenient means for assaying the activity of caspases that recognize the sequence VEID. The assay is based on detection of cleavage of substrate VEID-AFC (AFC: 7-amino-4-trifluoromethyl coumarin). VEID-AFC emits blue light ($\lambda_{\text{max}} = 400 \text{ nm}$); upon cleavage of the substrate by Mch2 or related caspases, free AFC emits a yellow-green fluorescence ($\lambda_{\text{max}} = 505 \text{ nm}$), which can be quantified using a fluorometer or a fluorescence microtiter plate reader.
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; VEID-AFC (1 mM); DTT (1M)
Detection method	low cytometry (400-nm excitation filter and 505-nm emission filter), fluorescence microtiter plate reader and fluorescence microscopy

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

**Compatible Sample
Types**

Cell and tissue lysates

Features & Benefits

1. Simple one-step procedure; takes 1-2 hours
2. Fast and convenient
3. Comparison of the fluorescence of AFC from an apoptotic sample with an uninduced control allows determination of the fold increase in caspase-6 activity.

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