CREATIVE BIOMART®
Assay Kit

Caspase-3 Immunoassay Kit (Fluorometric)

Product Information

Cat

Kit-2305

Cat.No. Kit-2305

Product Overview

Activation of caspase-3 plays a key role in initiation of cellular events during apoptosis. The CaspSELECT; Caspase-3 Immunoassay Kit provides an effective immunosorbent enzyme assay for specific, quantitative detection of caspase-3 activity in microtiter plates. The assay utilizes caspase-3 polyclonal antibody to capture activated caspase-3 from cell lysates. Caspase substrate DEVD-AFC is then added and is cleaved proportionally to the amount of activated caspase-3 in the cell lysate. The cleavage generates free AFC which can be analyzed fluorometrically (Ex./Em. = 400 nm/505 nm) using a fluorescence plate reader. The assay ensures absolute specific detection of caspase-3. Other known caspases and non-specific proteases are not detected.

Applications

Effective immunosorbent enzyme assay for specific, quantitative detection of caspase-3 activity in microtiter plates.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Cell Lysis Buffer; Coating Buffer; Anti-Caspase-3 Antibody (20X); Blocking Buffer; Incubation Buffer; DTT (1 M); DEVD-AFC Substrate (1 mM); Positive Control (rh-Caspase-3); Microtiter Plate; Adhesive Plate Cover

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Target Species	
Mammalian	
Detection method	Fluorescence(Ex/Em 370-425/ 490-525nm)
Features & Benefits	
Simple one-step procedure; takes only ~3 hours; Fast and convenient	

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