

## ApoAlert™ Caspase-3 Colorimetric Assay Kit

Catalog No.	Amount	Lot Number
630216	25 assays	Specified on product label.
630217	100 assays	

### Description

Complete kit for colorimetric detection of Caspase-3 protease activity in mammalian cells. Caspase-3 is also known as CPP32. The activity of Caspase-3, an ICE protease and early indicator of the onset of apoptosis, is assayed by colorimetric detection (at 405 nm) of p-nitroaniline (pNA) after cleavage from the peptide substrate DEVD-pNA.

### Package Contents

<u>630216</u> (25 assays)	<u>630217</u> (100 assays)	
32 ml	125 ml	Cell Lysis Buffer
1.25 ml	5 ml	2X Reaction Buffer
250 µl	1 ml	DTT (1 M)
125 µl	500 µl	Caspase-3 Substrate (1 mM DEVD-pNA)
15 µl	50 µl	Caspase-3 Inhibitor (1 mM DEVD-fmk)
50 µl	200 µl	pNA (100 mM)

### Storage Conditions

- Store Cell Lysis Buffer and 2X Reaction Buffer at 4°C after opening
- Store all other components at -20°C

### Shelf Life

- 1 year from date of receipt under proper storage conditions.

### Shipping Conditions

- Dry ice (-70°C)

### Product Documents

Documents for Clontech® products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals)

The following documents apply to this product:

ApoAlert Caspase Colorimetric Assay Kits User Manual (3356-1)

### Quality Control Data

3 x 10<sup>6</sup> Jurkat cells were cultured in RPMI 1640 supplemented with 10% FBS. Apoptosis was induced by exposing cells to UV light for 5 min and chasing for 6 hr at 37°C. The Caspase-3 assay was performed as described in the User Manual. Samples were read at 405 nm after 1 hr of incubation with pNA substrate. A minimum 3-fold increase in Caspase-3 activity was detected after induction in comparison to an uninduced control.

Refer to the kit protocol for detailed assay procedures.

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### CATALOG NOS.

630216 & 630217

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7/16/2015

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