

## ApoAlert™ Caspase-3 Colorimetric Assay Kit

**Catalog Nos.**

630216

630217

**Amount**

25 assays

100 assays

**Lot Number**

Specified on product label.

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### 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

<b>630216</b>	<b>630217</b>	
<b>(25 assays)</b>	<b>(100 assays)</b>	
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.

### Expiration Date

- Specified on product label.

### Shipping Conditions

- Dry ice

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

The following documents apply to this product:

- ApoAlert Caspase Colorimetric Assay Kits User Manual

### 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 threefold increase in Caspase-3 activity was detected after induction in comparison to an uninduced control.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

**Takara Bio USA, Inc.**

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