ApoAlert™ Caspase-3 Colorimetric Assay Kit

**Catalog No.**
- 630216
- 630217

**Amount**
- 630216: 25 assays
- 630217: 100 assays

**Lot Number**
Specified on product label.

**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**

<table>
<thead>
<tr>
<th>630216</th>
<th>630217</th>
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<tbody>
<tr>
<td>(25 assays)</td>
<td>(100 assays)</td>
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<tr>
<td>32 ml</td>
<td>125 ml</td>
</tr>
<tr>
<td>1.25 ml</td>
<td>5 ml</td>
</tr>
<tr>
<td>250 µl</td>
<td>1 ml</td>
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<tr>
<td>125 µl</td>
<td>500 µl</td>
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<tr>
<td>15 µl</td>
<td>50 µl</td>
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<tr>
<td>50 µl</td>
<td>200 µl</td>
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</tbody>
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**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 10⁶ 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.
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