

ApoAlert™ Caspase-3 Fluorescent Assay Kit

Catalog No.

630215

Amount

100 assays

Lot Number

Specified on product label.

Description

Complete kit for fluorescent detection of Caspase-3 protease activity in mammalian cells. Caspase-3 is also known as CPP32. The activity of Caspase-3, an ICE family protease and early indicator of the onset of apoptosis, is assayed by fluorescent detection (at 505 nm) of 7-amino-4-trifluoromethyl coumarin (AFC) after cleavage from the peptide substrate DEVD-AFC.

Package Contents

- 3 x 44 ml Cell Lysis Buffer
- 5 ml 2X Reaction Buffer
- 1 ml DTT (1 M)
- 500 µl Caspase-3 Substrate (1 mM DEVD-AFC)
- 10 µl Caspase-3 Inhibitor (1 mM DEVD-CHO)
- 4 ml AFC (80 µM)

Storage Conditions

- Store Cell Lysis Buffer, 2X Reaction Buffer, and AFC 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

The following documents apply to this product:

ApoAlert Caspase Assay Kits User Manual (PT3191-1)

Quality Control Data

Jurkat cells were cultured in RPMI 1640 supplemented with 10% FBS. Apoptosis was induced by exposing the Jurkat cells to UV light for 5 min. The cells were then incubated at 37°C for 6 hr. The Caspase-3 assay was performed as described in the User Manual. A minimum 3-fold increase in Caspase-3 activity was detected using a fluorescence multi-plate reader.

Clontech Laboratories, Inc.

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