

ApoAlert™ Caspase-9/6 Fluorescent Assay Kit

Catalog No(s).	Amount	Lot Number
630212	100 assays	Specified on product label

Description

Complete kit for fluorescent detection of Caspase-9/6 protease activity in mammalian cells. Caspase-9/6 activity, which is involved in the mitochondrial apoptotic pathway, is assayed by fluorescent detection (Em. 380/Ex. 460 nm) of 7-amino-4-methyl coumarin (AMC) after cleavage from the peptide substrate LEHD-AMC.

Package Contents

- 125 ml Cell Lysis Buffer
- 5 ml 2X Reaction Buffer
- 1 ml DTT (1 M)
- 500 µl Caspase-9/6 Substrate (5 mM LEHD-AMC)
- 40 µl Caspase-9/6 Inhibitor (5 mM LEHD-CHO)
- 150 µl DMSO
- 4 ml AMC (80 µl)

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

The following documents apply to this product:

- ApoAlert Caspase Fluorescent 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. Following incubation, the Caspase-9/6 assay was performed as described in the User Manual. A minimum 3-fold increase in Caspase-9/6 activity was detected using a fluorescence multi-plate reader.

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