

TUNEL Flow Cytometry Apoptosis Kit

One-step TUNEL Flow Cytometry Apoptosis Kit (Green, AF488)

CATALOG #
AAA178146

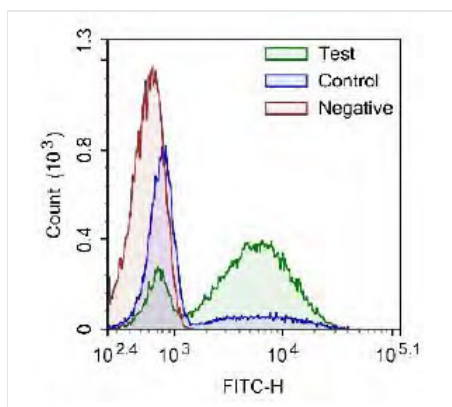
PRODUCT SYNONYMS

TUNEL Flow Cytometry Apoptosis; One-step TUNEL Flow Cytometry Apoptosis Kit (Green; AF488); TUNEL Flow Cytometry Apoptosis kit

PRODUCT SPECIFICATIONS

Form/Format	PBS buffer (with 1%BSA) (PH7.2 ~ 7.4)
Samples	Cell samples
Detection Instrument	Flow Cytometry
Dye Type	Fluor 488
Channel Set	FITC
Detection Principle	When cells undergo apoptosis, specific DNA endonucleases will be activated, cutting the genomic DNA between the nucleosomes. The DNA of apoptotic cells is cleaved into multimers of 180~200bp fragments, corresponding to the oligonucleosomal size. Therefore, the DNA of apoptotic cells typically migrates as a ladder of 180~200bp on an agarose gel. The exposed 3'-OH of the broken DNA can be catalyzed by Terminal Deoxynucleotidyl Transferase (TdT) with fluorescein labeled dUTP, which can be detected with flow cytometry.
Preparation and Storage	Store at -20 degree C, shading light Estimated Expiration: 12 months Shipping: Ice bag

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TUNEL Flow Cytometry Apoptosis kit	Background: One-step TUNEL Flow Cytometry Apoptosis Kit applies a highly sensitive, fast and simple method to detect cell apoptosis. This kit can be used to detect apoptosis of suspension cells and adherent cells by flow cytometry. Principle of the Assay: When cells undergo apoptosis, specific DNA endonucleases will be activated, cutting the genomic DNA between the nucleosomes. The DNA of apoptotic cells is cleaved into multimers of 180~200bp fragments, corresponding to the oligonucleosomal size. Therefore, the DNA of apoptotic cells typically migrates as a ladder of 180~200bp on an agarose gel. After fixation and permeabilization, the exposed 3'-OH of the broken DNA can be catalyzed by Terminal Deoxynucleotidyl Transferase (TdT) with fluorescein labeled dUTP, and detected by flow cytometry.
Product Categories/Family for TUNEL Flow Cytometry Apoptosis kit	Cell Apoptosis

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/kits/tunel-flow-cytometry-apoptosis/178146>