

TUNEL Detection Kit

TUNEL Apoptosis Detection Kit (Orange Fluorescence)

CATALOG #
AAA330134

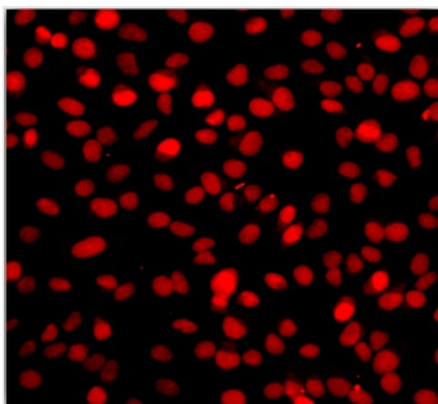
PRODUCT SYNONYMS

TUNEL; TUNEL Apoptosis Detection Kit (Orange Fluorescence); TUNEL detection kit

PRODUCT SPECIFICATIONS

Samples	Cell and tissue samples
Preparation and Storage	Stable for at least 6 months at -20 degree C from date of shipment. Once opened, refer to list of materials supplied for storage conditions of individual components.

IMAGES



Application Data

Fig. Fluorescence images using AAA Biotech TUNEL Apoptosis Detection Kit (Orange Fluorescence) in HeLa cells with the treatment of 10 U/mL Dnase I for 10min.

ADDITIONAL INFORMATION

Related Product Information for TUNEL detection kit

Principle of the Assay: One of the most easily measured features of apoptotic cells is the break-up of the genomic DNA by cellular nucleases. Terminal deoxynucleotidyl transferase dUTP nick end labeling (TUNEL) is a method for detecting DNA fragmentation by labeling the 3'-hydroxyl termini in the double-strand DNA breaks generated during apoptosis. The TUNEL assay relies on the presence of nicks in the DNA which can be identified by TdT, an enzyme that catalyzes the addition of dUTPs that are labeled with fluorescein. This kit provides all the essential components with an optimized assay protocol, suitable for fluorescence microplate reader, fluorescence microscope, or flow cytometer. Its signal can be easily detected at the popular Red channel (Ex/Em=555 nm/565 nm).

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/detection-kits/tunel/330134>