

Mitochondrion And Nuclear Staining Kit

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CATALOG #
AAA332440

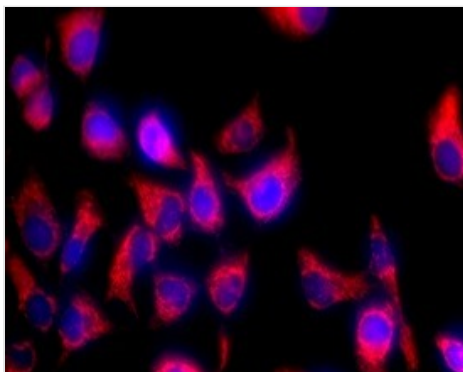
PRODUCT SYNONYMS

Mitochondrion And Nuclear; Mitochondrion And Nuclear Staining Kit; Mitochondrion And Nuclear staining kit

PRODUCT SPECIFICATIONS

Features & Benefits	Enables the uniform staining of mitochondrion and nuclear across a wide variety of mammalian cell types, and can be used for both living and fixed suspended or attached cells. Optimized for various fluorescence platforms such as microplate assays, flow cytometry and fluorescence microscope. Proprietary MitoOrange (Ex/Em = 579/599 nm)-easily permeates intact living cells and can be retained after formaldehyde fixation and permeabilization, suitable for double labeling experiments.
Preparation and Storage	Refer to list of materials supplied for storage conditions of individual components. Stable for at least 6 months at recommended temperature from date of shipment.

IMAGES



Application Data

Fig. HeLa cells stained with Mitochondrion and Nuclear Staining Kit.

ADDITIONAL INFORMATION

Related Product Information for Mitochondrion And Nuclear staining kit

Description: Mitochondrion and Nuclear Staining Kit provides two stains-Orange fluorescent MitoOrange (Ex/Em = 579/599 nm) and blue-fluorescent Hoechst 33342 (Ex/Em: 350/461 nm, when bound to DNA) for highly selective mitochondrial and nuclear staining, respectively, in live, GFP-transfected cells. Both dyes are retained after formaldehyde fixation and permeabilization. The fluorescence can be measured using fluorescence imaging, high-content imaging, microplate fluorometry, or flow cytometry. This kit is suitable for proliferating and non-proliferating cells, and can be used for both suspension and adherent cells.

Background: Mitochondria is a double-membrane-bound organelle found in most eukaryotic cells. The function of mitochondria is to provide cellular energy. Moreover, mitochondria are involved in other tasks, such as signaling, cellular differentiation, and cell death, as well as maintaining control of the cell cycle and cell growth. Mitochondria have been implicated in several human diseases, including mitochondrial disorders, cardiomyopathy, heart failure and autism. Mitochondria may play an important role in these cellular processes.

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/staining-kits/mitochondrion-and-nuclear/332440>