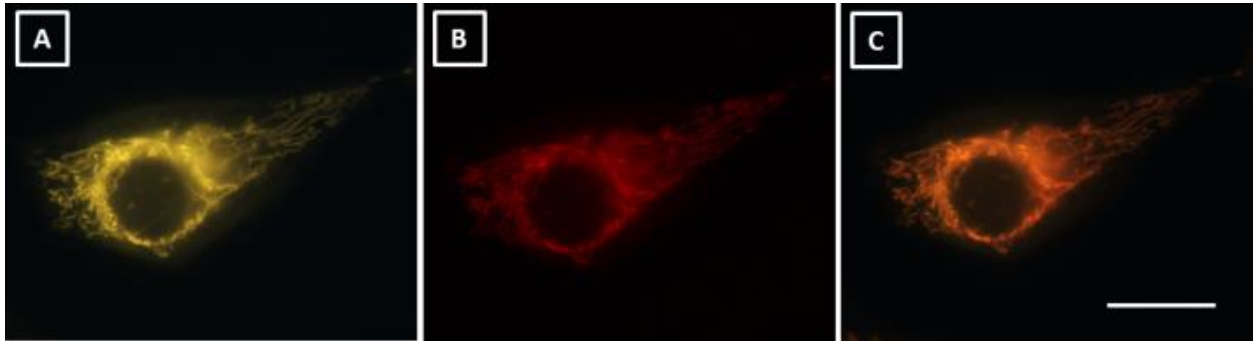


Product Specification

AIE™ Mitochondria Yellow



Product Descriptio

- This product can be used for quickly staining the mitochondria in the cells and emits yellow fluorescence.
- This product shows a pretty better photostability, compared to the commercial mitochondria dyes.

Demonstrations

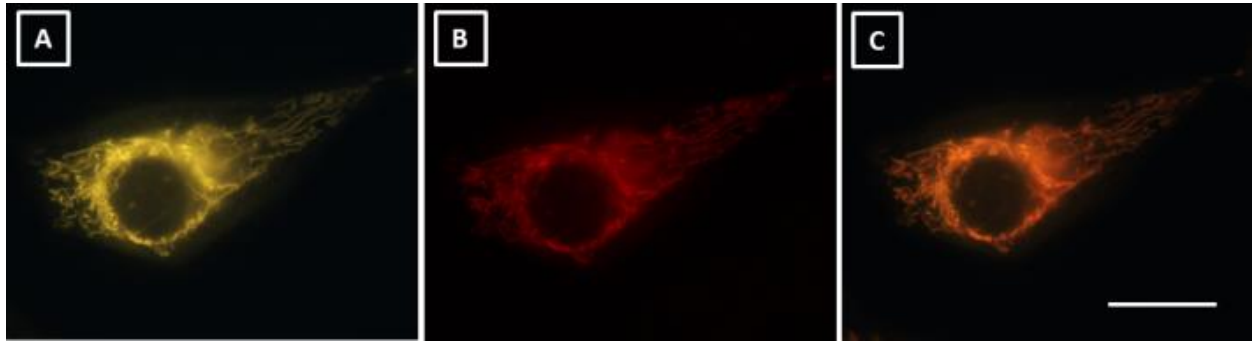


Figure 1: Confocal microscopic images of HeLa cells stained for 15 minutes by (a) yellow emissive mitochondria-targeting AIE™ Mitochondria Yellow (5 μ M) and (b) red emissive MitoTracker Red (100 nM); (C) overlaid image of A and B. (Scalar bar: 20 μ m)

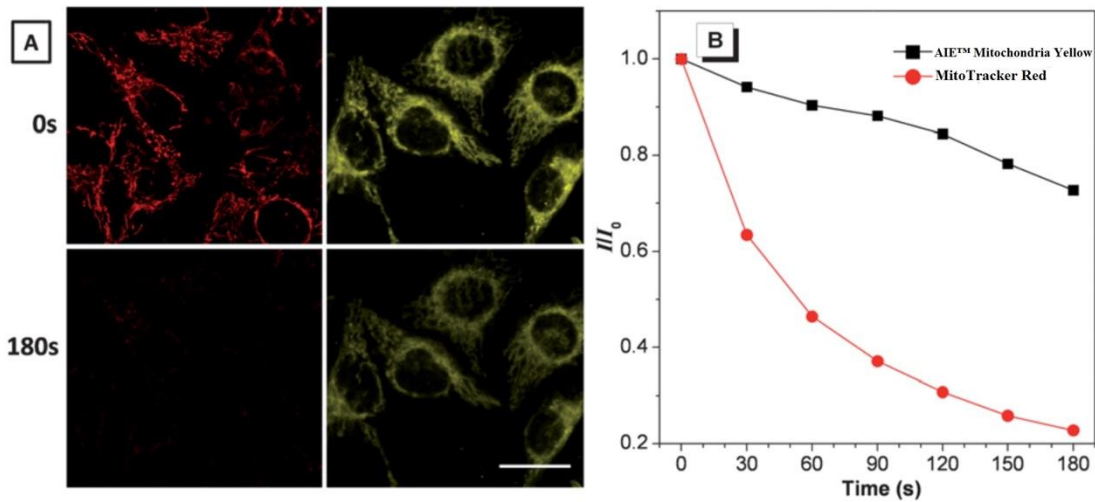


Figure 2: (A) HeLa cells irradiated for 0 and 180 seconds, after incubated with yellow emissive mitochondria-targeting AIE™ Mitochondria Yellow and red emissive MitoTracker Red, respectively. The excitation wavelength was 405 nm for AIE™ Mitochondria Yellow and 560 nm for MitoTracker Red, respectively. (B) The decaying curves of fluorescence emission with time after cells incubated with AIE™ Mitochondria Yellow and MitoTracker Red, respectively.

Recommended storage condition

Store away from sunlight at 2-8 °C

Product parameters

Purpose	Mitochondria staining
Color:	Yellow
Imaging platform:	Fluorescence microscope
Pack size and quantity:	1 mmol
Detection method:	Fluorescence
Excitation/ Emission (nm):	403±50 / 600±60
Recommended transport condition:	Room temperature
Product declaration:	Only used for research. Do not apply to any detection procedure.

Product operation method and handbook

[handbook is uploaded with PDF file]; [MSDS handbook]