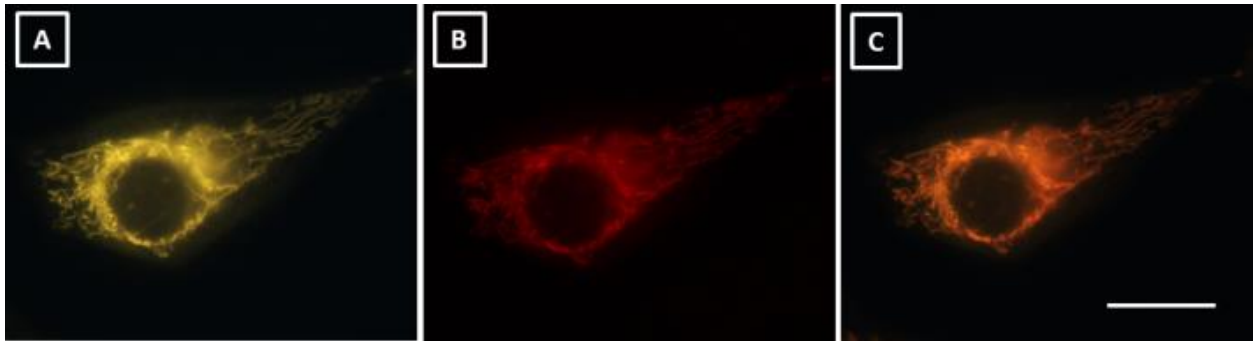


## Product Specification

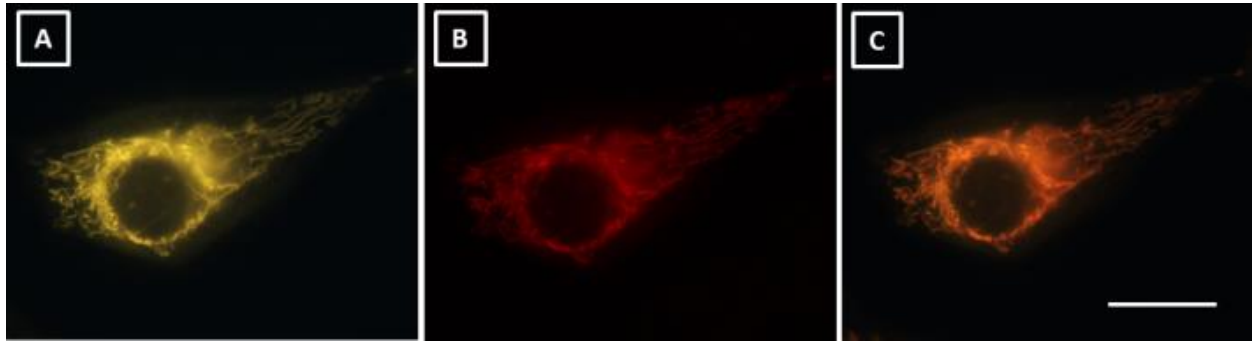
# AIE™ Mitochondria Yellow



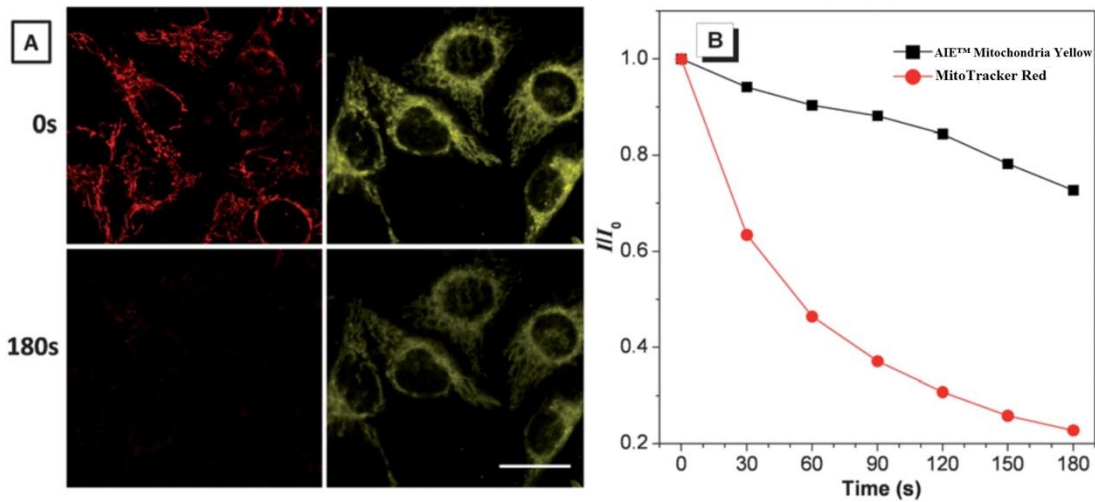
### Product Descriptio

- 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  $\mu$ M) and (b) red emissive MitoTracker Red (100 nM); (C) overlaid image of A and B. (Scalar bar: 20  $\mu$ 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

<b>Purpose</b>	Mitochondria staining
<b>Color:</b>	Yellow
<b>Imaging platform:</b>	Fluorescence microscope
<b>Pack size and quantity:</b>	10 µmol
<b>Detection method:</b>	Fluorescence
<b>Excitation/ Emission (nm):</b>	403±50/600±60
<b>Recommended transport condition:</b>	Room temperature
<b>Product declaration:</b>	Only used for research. Do not apply to any detection procedure.

## Product operation method and handbook

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