MitoBright Red

Item#	Unit Size
MT07-10	50 µg x 3

Kit Contents: MitoBright Red 50 µg x 3

Storage Condition: 0-5°C, protect from light
Shipping Condition: Ambient temperature

Product Description

There are various organelles playing an important role in cells. Mitochondria is not only a principal site of oxidative phosphorylation to produce ATP, but also an important organelle whose activity and dysfunction are relevant to cancer, cell senescent and neurodegenerative diseases such as Alzheimer's and Parkinson's. "MitoBright" is a fluorescent probe for selectively staining of mitochondria in living cells. It accumulates in healthy mitochondria due to the membrane potential dependency. In addition, MitoBright is well retained in mitochondria because of its covalent bond ability to proteins.

Supplemental Information The Characteristics of MitoBright Red

Fig 1. Excitation and Emission Spectra

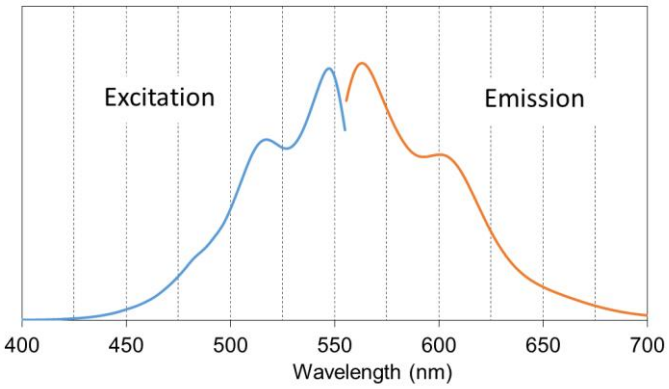
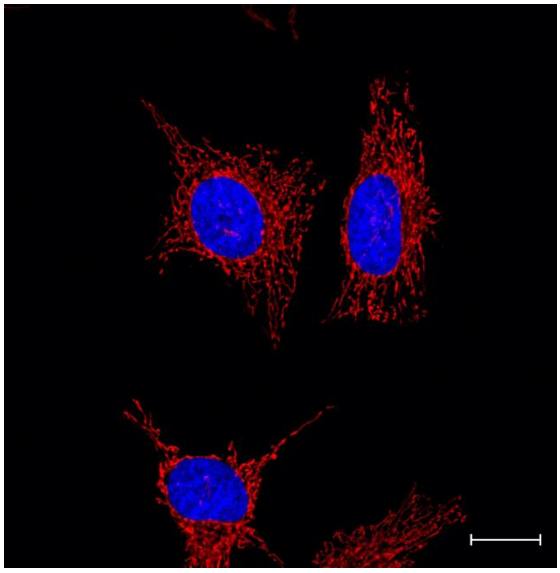


Fig. 2 Fluorescence Imaging



Concentration of Probe: 100 nmol/l
Cell Line: HeLa Cells
Excitation/Emission: 561 nm/ 558-617 nm
Nuclear Stain: Hoechst 33342