Mitochondrial Membrane Potential Assay Kit (Orange Fluorescence)

Catalog # KA4155 Size 1 Kit

Applications

Result Data

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The decrease in fluorescence intensity of MitoLite Orange with the addition of FCCP in Jurkat cells. Jurkat cells were loaded with MitoLite Orange alone (Blue) or in the presence of 30 uM FCCP (Red) for 15 minutes. The fluorescence intensity of MitoLite Orange was measured with a FACSCalibur flow cytometer using FL2 channel.

Specification

Product Description	Mitochondrial Membrane Potential Assay Kit (Orange Fluorescence) is a fluorescent assay used to d etect cell apoptosis by monitoring the loss of mitochondiral membrane potential with flow cytometry.
Suitable Sample	Cells
Detection Method	Fluorometric
Excitation (Max)	540 nm
Emission (Max)	590 nm
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at -20°C and avoid from light.
Note	Result Data Result Data The decrease in fluorescence intensity of MitoLite Orange with the addition of FCCP in Jurkat cells. J urkat cells were loaded with MitoLite Orange alone (Blue) or in the presence of 30 uM FCCP (Red) f or 15 minutes. The fluorescence intensity of MitoLite Orange was measured with a FACSCalibur flow cytometer using FL2 channel.

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Applications

- Functional Study

Publication Reference

- ROS-Mediated Mitochondrial Pathway is Required for Manilkara Zapota (L.) P. Royen Leaf Methanol Extract Inducing Apoptosis in the Modulation of Caspase Activation and EGFR/NF-κB Activities of HeLa Human Cervical Cancer Cells.

  Tan BL, Norhaizan ME, Chan LC.

  Evidence-Based Complementary and Alternative Medicine 2018 Jun; 2018:6578648.

  Application: Func, Human, HeLa cells

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