

ROS Activity Assay Kit

Catalog # KA3841

Size 1 Kit

Applications

Result Data

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Detection of ROS in Hela cells. Hela cells were seeded overnight at 15000 cells/90 uL/well in a Costar black wall/clear bottom 96-well plate. The cells were treated (1 mM H₂O₂ or 100 uM tert-butyl hydroperoxide) or untreated (control) for 30 min at 37°C. The ROS Deep Red stain solution (100 uL/well) was added and incubated in a 5% CO₂, 37°C incubator for 1 hour. The fluorescence signal was monitored at Ex/Em = 650/675 nm (cut off = 665 nm) with bottom read mode using FlexStation.

Specification

Product Description ROS Activity Assay Kit is a quantitative fluorometric determination of mitochondrial ROS activity.

Suitable Sample Cell Culture

Label Fluorometric

Detection Method 650/675 nm

Assay Type Quantitative

Regulation Status For research use only (RUO)

Storage Instruction Store the kit at -20°C. For best results, please store the components as described in the protocol.

Note

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Applications

- Functional Study
- Flow Cytometry

Publication Reference

- [The gut microbiota metabolite butyrate mitigates MPTP/MPP+ -induced Parkinson's disease by inhibiting the JAK2/STAT3 signaling pathway.](#)

Li-Li Ji, Ting-Ting Huang, Lun-Lin Mao, Yuan-Feng Xu, Wen-Ya Chen, Wei-Wei Wang, Li-Hui Wang.

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Application: Quantitative, Rat, PC12 cells