

ARG81192 Intracellular ROS Assay Kit (Fluorometric)

Package: 96 assay
Store at: 4°C

Summary

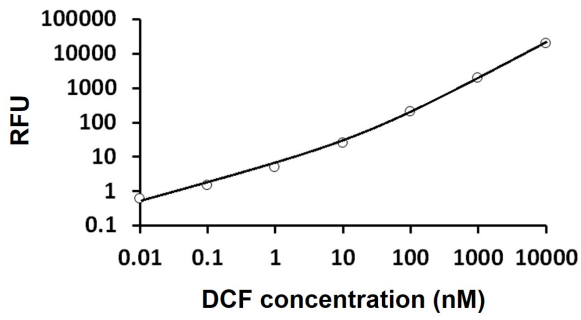
Tested Reactivity	All
Tested Application	FuncSt
Target Name	ROS
Conjugation	Un-conjugated
Conjugation Note	Read the fluorescence with a fluorescence plate reader at 480 nm excitation / 530 nm emission.
Sensitivity	0.01 nM
Sample Type	Cultured cells
Standard Range	0.01 - 10000 nM
Sample Volume	Cultured cells in either a clear or black 96-well cell culture plate.

Application Instructions

Assay Time	~ 1 hour
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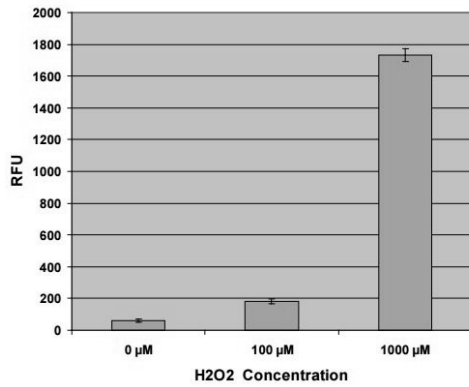
Properties

Form	Liquid
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.



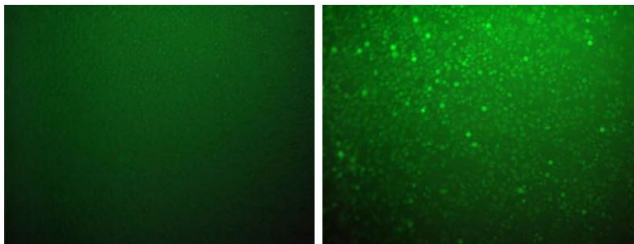
ARG81192 Intracellular ROS Assay Kit (Fluorometric) standard curve image

ARG81192 Intracellular ROS Assay Kit (Fluorometric) results of a typical standard run with optical density reading at 480 nm excitation / 530 nm emission.



ROS in HeLa cells treated with H2O2

50,000 HeLa cells in a 96-well plate were first pretreated with 1 mM DCFH-DA for 60 minutes at 37°C. Cells were then treated with various concentrations of H₂O₂ for 20 minutes.



DCF Fluorescence in HeLa cells treated with H2O2

DCF Fluorescence in H₂O₂ treated HeLa cells after 1 hour. Left: 0 µM; Right: 1000 µM.