

Reactive Oxygen Species (ROS) Assay Kit

Catalogue No.: abx295093

Reactive Oxygen Species (ROS) Assay Kit is an assay kit for the detection and quantification of Reactive Oxygen Species (ROS) concentrations in fresh tissue homogenates and cultured cell lysates using a fluorescence microplate reader, fluorescence microscope or flow cytometer. DCFH-DA (2,7-dichlorofluorescein diacetate) is a fluorescent probe without fluorescence that can freely cross the membrane. After entering the cell, it can be hydrolyzed by intracellular esterase to form DCFH (dichlorofluorescein). In the presence of reactive oxygen species (ROS), DCFH is oxidized to DCF (dichlorofluorescein) which is a strong green fluorescent substance that cannot penetrate the cell membrane. DCF has a maximum wave peak near the excitation wavelength of 502 nm and the emission wavelength of 525 nm, and the intensity is proportional to the level of intracellular reactive oxygen species.

Target: Reactive Oxygen Species (ROS)

Storage: Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual.

Validity: The validity for this kit is 12 months.

Detection Method: Fluorometric

Assay Data: Quantitative

Sample Type: Fresh tissue homogenates and cultured cell lysates.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.