CREATIVE BIOMART®
Assay Kit

Hydrogen Peroxide Cell-Based Assay Kit

Product Information

Cat.No.	Kit-1964

Size

96 wells

Description

Reactive oxygen species, such as hydrogen peroxide (H2O2) and superoxide are generated by phagocytes and participate in damaging invading miccroorganisms or other biologic targets.1 The H2O2 Cell-Based Assay Kit provides a simple fluorometric method for the sensitive quantitation of extracellular H2O2 produced by cultured cells. H2O2 is detected using ADHP (10-acetyl-3,7-dihydroxyphenoxazine), a highly sensitive and stable probe for H2O2.2 In the presence of horseradish peroxidase, ADHP reacts with H2O2 with a 1:1 stoichiometry to produce highly fluorescent resorufin.3 Resorufin fluorescence can be read using an excitation wavelength between 530-560 nm and an emission wavelength of 590 nm. Catalase, an H2O2 scavenger, is included in the kit for checking specificity of the assay.

Storage

-20°C

Kit Components

Cell-Based Assay Buffer Tablet: 1 tablet; 1 tablet; RT Cell-Based Assay Hydrogen Peroxide Standard: 1 vial/100 μl; 1 vial/100 μl; 4°C Cell-Based Assay Hydrogen Peroxide Detector ADHP: 1 vial/100 μl; 1 vial/500 μl; -20°CCell-Based Assay Horseradish Peroxidase: 1 vial/100 μl; 1 vial/500 μl; -20°CCell-Based Assay Catalase: 1 vial/2 mg; 1 vial/10 mg; -20°C

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