

Intracellular Hydrogen Peroxide Detection Kit (cell-based)

Cat. No. Kit-2343 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Hydrogen Peroxide (H₂O₂) is a reactive oxygen species and by-product of oxygen metabolism. H₂O₂ serves as a key regulator for a number of oxidative stress related pathways and is linked to asthma, inflammatory arthritis, atherosclerosis, diabetic vasculopathy, osteoporosis, and a number of neurodegenerative diseases. Intracellular Hydrogen Peroxide Detection kit uses a dye that reacts with intracellular hydrogen peroxide to produce an orange color and fluorescence, which is proportional to the concentration of intracellular hydrogen peroxide. This kit provides a simple, easy to perform, histochemical method for identification of intracellular H₂O₂ in the samples.
Applications	Screening/studying/characterizing stimulators/inhibitors that affect intracellular levels of hydrogen peroxide.
Storage	-20°C
Shipping	Gel Pack
Size	200 assays
Kit Components	Assay Buffer; Staining Dye
Detection method	Fluorescence microscope (Ex/Em = 543/545-750 nm)
Features & Benefits	Simple procedure; Histochemical method for identification of intracellular H ₂ O ₂ in the samples

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