

PRODUCT DATA SHEET

Superoxide Dismutase (SOD)TM

SOD Colorimetric Detection Kit

Description

Superoxide dismutase (SOD) are metalloenzymes that catalyze the dismutation of superoxide radical into hydrogen peroxide (H_2O_2) + molecular oxygen (O_2) and consequently provide an important defense mechanism against superoxide radical toxicity. SOD has shown to protect murine peritoneal macrophages from apoptosis induced by adriamycine. Additionally, the over expression of SOD in fibrosarcome cells, has exhibited protection against apoptosis and promotes cell differentiation. This Superoxide Dismutase Detection Kit utilizes a water-soluble tetrazolium salt, WST-1 (2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-(2,4-disulphophenyl)-2H-tetrazolium, monosodium salt) that produces a highly water-soluble formazan dye upon reduction with a superoxide anion.

Product Specifications

Kit Components:

1. 20x WST-1 Solution (Part# 4014)
2. Xanthine Oxidase Solution (Part# 6010)
3. Assay Buffer (Part# 3029)
4. Xanthine Oxidase Dilution Buffer (Part# 3030)
5. SOD Enzyme (Part# 6011)
6. 96-well ELISA Plate (Part# 9001)
7. Adhesive Plate Cover (Part# 9002)

Application Micro Plate Reader (Absorbance)

Shipping SHIPPED ON BLUE ICE

Long Term Storage 2-8°C

Upon Arrival: Store contents as labeled

Catalog Number/Sizes

Catalog #	Size (tests)
CSOD100-2	100

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