

General Superoxide Anion Assay Kit

Superoxide Anion Microplate Assay Kit

CATALOG # AAA27890	REACTIVITY General	APPLICATIONS Functional Assay
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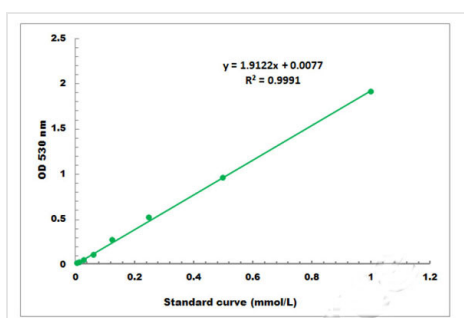
PRODUCT SYNONYMS

Superoxide Anion; Superoxide Anion Microplate Assay Kit; Superoxide Anion assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media, Other biological fluids Samples
Applicable Applications for Superoxide Anion assay kit	FA (Functional Assay)
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Superoxide Anion assay kit

Background: Superoxide anion (O_2^-) is a short-lived radical of molecular oxygen that plays key roles in the immune system and intracellular functions. The enzyme nicotinamide adenine dinucleotide phosphate (NADPH) oxidase-acytochrome-b-558-containing, plasma-membrane-bound enzyme complex-synthesizes superoxide anion by transferring an electron to molecular oxygen. Superoxide anion is a potent oxidant, which is released by leukocytes to damage infectious organisms. Superoxide anion is also implicated in oxidative stress damage, tumor promotion, and cell growth and DNA synthesis, which superoxide anion affects through the cell signaling pathway of Ras. Superoxide Anion Microplate Assay Kit is a sensitive assay for determining Superoxide Anion content in various samples. The color intensity at 530 nm is linear to the Superoxide Anion content in the sample.

Principle of the Assay: 0.01 mmol/L - 1 mmol/L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.