

Superoxide Anion Assay Kit

Superoxide Anion Colorimetric Assay Kit

CATALOG #
AAA332488

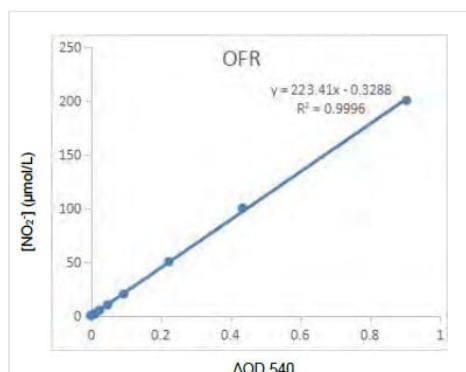
PRODUCT SYNONYMS

Superoxide Anion; Superoxide Anion Colorimetric Assay Kit; Superoxide Anion assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, Plasma, Animal and Plant Tissues, Cells, Cell Supernatant
Preparation and Storage	Store at 4 degree C and keep from light immediately upon receipt. Kit has a storage time of est. 6 months from receipt. Refer to list of materials supplied for storage conditions of individual components. Shipping: Gel pack with blue ice.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Superoxide Anion assay kit	Principle of the Assay: Reactive oxygen species such as superoxide anions in organisms have immune and signal transduction effects, but when they accumulate too much, they will destroy cell membranes and biological macromolecules, leading to abnormal metabolism of cells and tissues in the body, causing many diseases. The superoxide anion in plant, animal tissues, serum and other samples reacts with hydroxylamine hydrochloride to produce NO ₂ ⁻ , and NO ₂ ⁻ reacts with Gris reagent. The mechanism of Gris analysis is summarized as the azo coupling between diazoniums, which is produced by sulfonamides and NO ₂ ⁻ and N-(1-naphthyl)ethylenediamine dihydrochloride to generate a red azo compound with a characteristic absorption peak at 540 nm. The O ₂ ⁻ content in the sample can be calculated based on the A540 value. The kit can detect samples of plants, animal tissues, serum and cells.
Product Categories/Family for Superoxide Anion assay kit	Cell Metabolism; Biochemical Assay Kit

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.