

NADP/NADPH assay kit

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CATALOG #
AAA330130

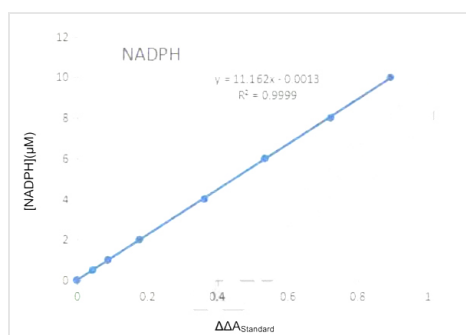
PRODUCT SYNONYMS

NADP/NADPH; NADP/NADPH Assay Kit; NADP/NADPH assay kit

PRODUCT SPECIFICATIONS

Samples	Animal Tissues, Cells, Bacteria
Detection Range	0.5 μ M-10 μ M
Sensitivity	0.5 μ M
Preparation and Storage	Storage at -20 degree C and keep from light immediately upon receipt. Kit has a storage time of 6 months from receipt. Refer to list of materials supplied for storage conditions of individual components.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NADP/NADPH assay kit

Principle of the Assay: Nicotinamide adenine dinucleotide phosphate (NADP) is an enzymatic cofactor involved in many redox reactions where it cycles between the reduced (NADPH) and oxidized (NADP) forms. NADP+ is also involved in biosynthetic reactions such as lipid and nucleic acid synthesis where it functions as a reducing agent. The oxidative branch of the pentose phosphate pathway (PPP) is the major source of NADPH produced in animal cells. There is continual interest in monitoring their concentration levels. Quantitative determination of NADP+/NADPH has applications in research pertaining to energy transformation and redox state of cells or tissues. CheKine™ Micro Coenzyme II NADP(H) Assay Kit provides a convenient tool for sensitive detection of the NADP and NADPH, and their ratio in various tissues and subcellular organelles. This Kit is based on enzyme cycling reaction (It does not recognize NADP+/NADPH), in which the formed NADPH reduces a formazan (WST-8) reagent. The intensity of the reduced product color, measured at OD450 nm, is proportionate to the NADP+/NADPH concentration in the sample.

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.