

NAD/NADH assay kit

NAD/NADH Assay Kit

CATALOG #
AAA330131

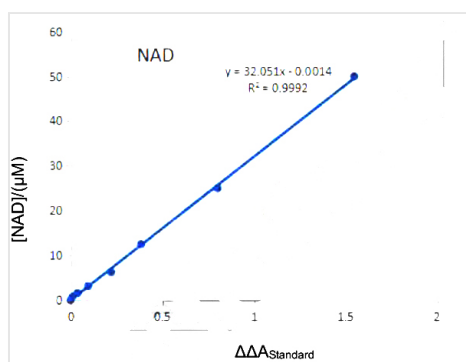
PRODUCT SYNONYMS

NAD/NADH; NAD/NADH Assay Kit; NAD/NADH assay kit

PRODUCT SPECIFICATIONS

Samples	Animal Tissues, Cells, Bacteria
Detection Range	0.78 uM-50 uM
Sensitivity	0.78 uM
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 NAD/NADH assay kit

Principle of the Assay: Nicotinamide adenine dinucleotide (NAD) is a coenzyme found in all cells, including two forms, NAD⁺(oxidized) and NADH (reduced). NAD⁺ is not only a coenzyme that transfers electrons during REDOX reaction, but also a substrate for many enzymes to participate in intracellular reactions. NAD⁺ plays an important role in cells and in vivo. Its synthesis, degradation and its products are participated in apoptosis, metabolism regulation and gene expression regulation, and the reduction of NAD⁺ is one of the main factors of cell death. The importance of NAD⁺ in regulating the REDOX state of cells and its function in regulating signaling pathways and transcription make NAD⁺, its synthesis and consumption enzymes to be potential drug targets for a variety of diseases. CheKine™ Coenzyme I NAD(H) Colorimetric Assay Kit is a WST-8 based chromogenic reaction that uses colorimetry to measure the amount, ratio, and total amount of NAD⁺(oxidized coenzyme I) and NADH(reduced Coenzyme I) in cells, tissues, or other samples. The NAD⁺/NADH assay kit is based on an enzyme cycle reaction (which does not recognize NADP⁺/NADPH) in which NAD⁺ is reduced to NADH and NADH reduces WST-8 to orange formazan with a maximum absorption peak detected at around 450 nm. The formation of Formazan in the reaction system is proportional to the total amount of NAD⁺ or NADH 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.

