

NAD⁺ kinase (NADK) Assay Kit | NADK assay kit

NAD⁺ kinase (NADK) Activity Colorimetric Assay Kit

CATALOG #
AAA332478

PRODUCT SYNONYMS

NAD⁺ kinase (NADK); NAD⁺ kinase (NADK) Activity Colorimetric Assay Kit; NADK assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, Plasma, Animal and Plant Tissues, Cells, Bacteria
Features & Benefits	Determination of NADK activity in a variety of biological samples such as serum, plasma, tissues, cells, plants and bacteria. Detailed sample preparation and result calculation methods are provided. Simple operation steps.
Usage Notes	96 Well Clear Flat Bottom UV-Transparent Microplate is needed. Do not mix or substitute reagents or materials from other kit lots or vendors. The sample preparation must be done on ice to prevent the enzyme inactivation, and the enzyme activity should be determined on the same day. avoid repeated freeze-thaw. Substrate Mix and Enzyme Mix must be placed on ice during the measurement process. The reaction temperature has an influence on the results, so please keep it at 25 degree C (general species) or 37 degree C (mammal).
Preparation and Storage	Storage at -20 degree C and protected from light upon receipt. Kit has a storage time of 12 months form receipt. Shipping: Gel pack with blue ice.

ADDITIONAL INFORMATION

Related Product Information for NADK assay kit	Principle of the Assay: NAD ⁺ Kinase (NADK, EC 2.7.1.23) is widely found in animals, plants, microorganisms and cells. It is the only enzyme that can catalyze the Phosphorylation of NAD ⁺ to NADP ⁺ in organisms. It can catalyze the Phosphorylation reaction of NAD(H) with ATP or inorganic Polyphosphate [poly(P)] as a Phosphoryl donor to generate NADP(H). Therefore, NAD kinase plays an important role in the synthesis of NADP(H) and the regulation of the balance between NAD(H) and NADP(H). CheKine™ NAD ⁺ Kinase (NADK) Activity Colorimetric Assay Kit provides a simple method for detecting NADK activity in a variety of biological samples such as Serum, Plasma, Animal and Plant Tissues, Cells, Bacteria. In the assay, NADK catalyzes the Phosphorylation of NAD ⁺ to produce NADP ⁺ ; NADP ⁺ can be reduced to NADPH by Glucose-6-Phosphate Dehydrogenase. NADPH has a characteristic absorption peak at 340 nm. The rate of NADPH increase at 340 nm can reflect NADK activity.
Product Categories/Family for NADK assay kit	Cell Metabolism

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/assay-kits/nad-kinase-nadk/332478>