

General NAD/NADH Assay Kit | nadK assay kit

NAD/NADH Assay Kit

CATALOG # AAA17848	REACTIVITY General	APPLICATIONS Functional Assay
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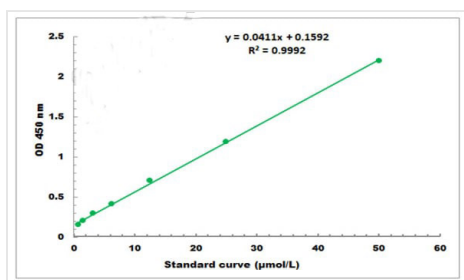
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	299
Samples	Urine, Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	0.5 umol/L - 50 umol/L
Applicable Applications for nadK assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for nadK assay kit

Background: Nicotinamide adenine dinucleotide (NAD⁺) is a vital coenzyme found in all cells. As NAD⁺ is involved in redox reactions, it is found in two forms in cells. NAD⁺ is an oxidizing agent and becomes reduced to form NADH, which can be used as a reducing agent. As a result, it plays a key role in metabolism and other cellular processes. In organisms, NAD⁺ can be synthesized de novo from tryptophan or aspartic acid. Because of the wide variety of functions that NAD⁺ plays, it is a popular target for pharmaceuticals. NAD/NADH Microplate Assay Kit provides a simple and direct procedure for measuring NAD⁺/NADH levels in a variety of samples. The kit is based on an alcohol dehydrogenase cycling reaction, in which the formed NADH reduces a formazan reagent. The intensity of the reduced product color, measured at 450 nm, is proportionate to the NAD⁺/NADH concentration in the sample.

NCBI AND UNIPROT INFORMATION

NCBI GI #	633980650
Molecular Weight	32,329 Da
NCBI Official Full Name	NAD(+)/NADH kinase

UniProt Protein Name	NAD kinase
UniProt Gene Name	nadK
UniProt Entry Name	A0A063WPG8_BORBO

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.

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Online datasheet: <https://stage.aaabiotech.com/general-assay-kits/nad-nadh/17848>