

Human Nicotinamide Adenine Dinucleotide Phosphate (NADPH) ELISA Kit | NADPH elisa kit

Human Nicotinamide Adenine Dinucleotide Phosphate (NADPH) ELISA Kit

CATALOG # AAA331556	REACTIVITY Human
-------------------------------	----------------------------

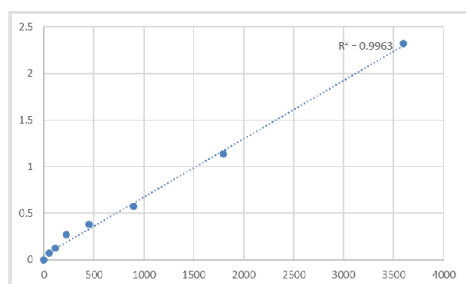
PRODUCT SYNONYMS

Nicotinamide Adenine Dinucleotide Phosphate (NADPH); Human Nicotinamide Adenine Dinucleotide Phosphate (NADPH) ELISA Kit; NADPH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Nicotinamide adenine dinucleotide phosphate (NADPH) ELISA Kit has high sensitivity and excellent specificity for detection of Human NADPH. No significant cross-reactivity or interference between Human NADPH and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Nicotinamide adenine dinucleotide phosphate (NADPH) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NADPH elisa kit	Description: This Human Nicotinamide adenine dinucleotide phosphate (NADPH) ELISA Kit employs a two-site sandwich ELISA to quantitate NADPH in samples. An antibody specific for NADPH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NADPH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NADPH is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NADPH bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Nicotinamide adenine dinucleotide phosphate, abbreviated NADP+ or, in older notation, TPN (triphosphopyridine nucleotide), is a cofactor used in anabolic reactions, such as lipid and nucleic acid synthesis, which require NADPH as a reducing agent. NADPH is the reduced form of NADP+. NADP+ differs from NAD+ in the presence of an additional phosphate group on the 2' position of the ribose ring that carries the adenine moiety. NADPH provides the reducing equivalents for biosynthetic reactions and the oxidation-reduction involved in protecting against the toxicity of reactive oxygen species (ROS), allowing the regeneration of glutathione (GSH). NADPH is also used for anabolic pathways, such as lipid synthesis, cholesterol synthesis, and fatty acid chain elongation.
---	---

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/human-elisa-kits/nicotinamide-adenine-dinucleotide-phosphate-nadph/331556>