

Rat Nicotinamide Adenine Dinucleotide Phosphate Oxidase gp91phox ELISA Kit | NADHPox elisa kit

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CATALOG # AAA84685	REACTIVITY Rat
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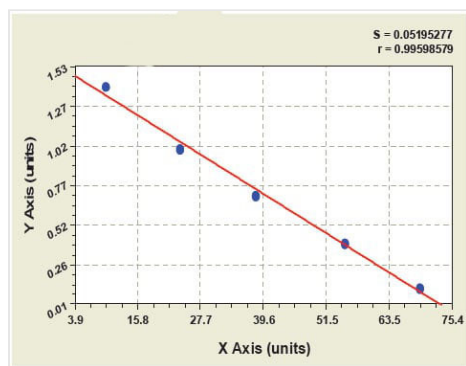
PRODUCT SYNONYMS

Nicotinamide Adenine Dinucleotide Phosphate Oxidase gp91phox; Rat Nicotinamide Adenine Dinucleotide Phosphate Oxidase gp91phox ELISA Kit; NADHPox elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This NADHPox ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat NADHPox. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NADHPox elisa kit	Principle of the Assay: NADHPox ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NADHPox antibody and an NADHPox -HRP conjugate. The assay sample and buffer are incubated together with NADHPox -HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NADHPox concentration since NADHPox from samples and NADHPox -HRP conjugate compete for the anti-NADHPox antibody binding site. Since the number of sites is limited, as more sites are occupied by NADHPox from the sample, fewer sites are left to bind NADHPox -HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NADHPox concentration in each sample is interpolated from this standard curve.
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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/nadhpox-rat-elisa-kits/nicotinamide-adenine-dinucleotide-phosphate-oxidase-gp91phox/84685>