

Chicken NADH Dehydrogenase subunits 4 ELISA Kit | ND2 elisa kit

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CATALOG #
AAA94763

REACTIVITY
Chicken

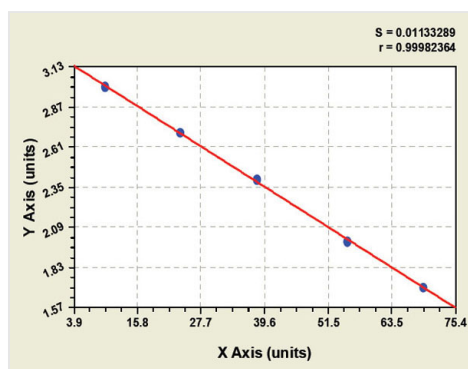
PRODUCT SYNONYMS

NADH Dehydrogenase subunits 4; Chicken NADH Dehydrogenase subunits 4 ELISA Kit; ND2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ND2 elisa kit

Intended Uses: This ND4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken ND4. This ELISA kit for research use only!

Principle of the Assay: ND4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ND4 antibody and an ND4-HRP conjugate. The assay sample and buffer are incubated together with ND4-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 ND4 concentration since ND4 from samples and ND4-HRP conjugate compete for the anti-ND4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ND4 from the sample, fewer sites are left to bind ND4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ND4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ND2 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	37857729
Molecular Weight	51,991 Da
NCBI Official Full Name	NADH dehydrogenase subunits 4 (mitochondrion)
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 4
UniProt Gene Name	ND4
UniProt Entry Name	Q95A16_CONMY

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/nd2-chicken-elisa-kits/nadh-dehydrogenase-subunits-4/94763>