

Rat Pyruvate Dehydrogenase Alpha ELISA Kit | PDHa elisa kit

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CATALOG #
AAA87112

REACTIVITY
Rat

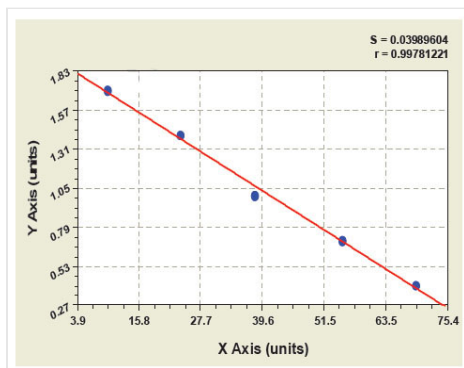
PRODUCT SYNONYMS

Pyruvate Dehydrogenase Alpha; Rat Pyruvate Dehydrogenase Alpha ELISA Kit; PDHa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50 ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This PDHalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PDHalpha. 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 PDHa elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	41408407
NCBI GeneID	2721718
NCBI Accession #	NP_961243.1
NCBI GenBank Nucleotide #	NC_002944.2
NCBI Official Full Name	PdhA
NCBI Official Symbol	pdhA
NCBI Protein Information	PdhA

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/pdha-rat-elisa-kits/pyruvate-dehydrogenase-alpha/87112>