

Human Pyruvate Dehydrogenase Alpha ELISA Kit | PDHalpha elisa kit

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CATALOG #
AAA101031

REACTIVITY
Human

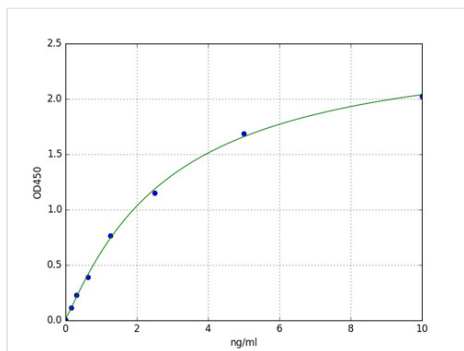
PRODUCT SYNONYMS

Pyruvate Dehydrogenase Alpha; Human Pyruvate Dehydrogenase Alpha ELISA Kit; PDHalpha ; PDHalpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	342
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human PDHα ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.086	0.129	0.170	0.270	0.451	0.866	1.431	1.943

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDHalpha elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human PDHalpha antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human PDHalpha antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human PDHalpha amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human PDHalpha can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4376580
NCBI GeneID	895016
Molecular Weight	37,466 Da
NCBI Official Full Name	Pyruvate Dehydrogenase Alpha
NCBI Official Symbol	pdhA
NCBI Protein Information	pyruvate dehydrogenase complex subunit alpha
UniProt Protein Name	Pyruvate Dehydrogenase Alpha
UniProt Gene Name	pdhA
UniProt Entry Name	Q9Z8N4_CHLPN

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/pdhalpha-human-elisa-kits/pyruvate-dehydrogenase-alpha/101031>