

Human Pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial ELISA Kit | PDHA2 elisa kit

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CATALOG #
AAA100482

REACTIVITY
Human

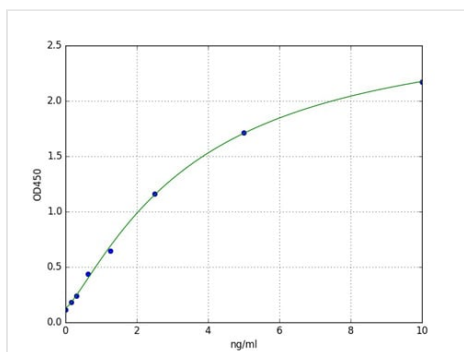
PRODUCT SYNONYMS

Pyruvate dehydrogenase E1 component subunit alpha; testis-specific form; mitochondrial; Human Pyruvate dehydrogenase E1 component subunit alpha; mitochondrial ELISA Kit; PDHA2/PDHAL/Pyruvate dehydrogenase E1 component subunit alpha; mitochondrial/PDHE1-A type II; PDHA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	388
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)

Results of a typical standard run of a Human PDHA2 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	0.035	0.102	0.162	0.347	0.618	1.135	1.820	2.275

ADDITIONAL INFORMATION

Related Product Information for PDHA2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human PDHA2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human PDHA2 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. HRPStreptavidin 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 PDHA2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human PDHA2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885543
NCBI GeneID	5161
NCBI Accession #	NP_005381.1
NCBI GenBank Nucleotide #	NM_005390.4
Molecular Weight	42,933 Da
NCBI Official Full Name	pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial
NCBI Official Synonym Full Names	pyruvate dehydrogenase (lipoamide) alpha 2
NCBI Official Symbol	PDHA2
NCBI Official Synonym Symbols	PDHAL
NCBI Protein Information	pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial
UniProt Protein Name	Pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial
UniProt Gene Name	PDHA2
UniProt Synonym Gene Names	PDHAL
UniProt Entry Name	ODPAT_HUMAN

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/pdha2-human-elisa-kits/pyruvate-dehydrogenase-e1-component-subunit-alpha-testis-specific-form-mitochondrial/100482>