

Human Pyruvate Dehydrogenase E1 ELISA Kit | PDH E1 elisa kit

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CATALOG #
AAA98269

REACTIVITY
Human

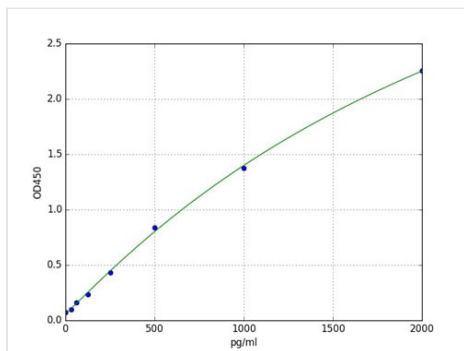
PRODUCT SYNONYMS

Pyruvate Dehydrogenase E1; Human Pyruvate Dehydrogenase E1 ELISA Kit; PDH E1; PDH E1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	809
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/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 PDH E1 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	pg/ml	0	31.2	62.5	125	250	500	1000	2000
Y	OD450	0.071	0.103	0.151	0.234	0.443	0.830	1.448	2.304

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDH E1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human PDH E1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human PDH E1 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 PDH E1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human PDH E1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

497458356

NCBI Accession #	WP_009772554.1
NCBI GenBank Nucleotide #	WP_009772554.1
Molecular Weight	87,441 Da
NCBI Official Full Name	pyruvate dehydrogenase E1
UniProt Protein Name	Pyruvate dehydrogenase E1 component
UniProt Gene Name	A20C1_04546
UniProt Entry Name	A4AGN1_9ACTN

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/pdh-e1-human-elisa-kits/pyruvate-dehydrogenase-e1/98269>