

Human pyruvate dehydrogenase-E1, PDH E1 ELISA Kit | PDH E1 elisa kit

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CATALOG #
AAA43178

REACTIVITY
Human

PRODUCT SYNONYMS

pyruvate dehydrogenase-E1; PDH E1; Human pyruvate dehydrogenase-E1; PDH E1 ELISA Kit; PDH E1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	809
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.1ng/ml-40ng/ml.
Sensitivity	0.068ng/ml
Intra-Assay	CV<8%
Inter-Assay	CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDH E1 elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of human Pyruvate Dehydrogenase E1 (also known as PDH-E1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human PDH-E1 antibody. PDH-E1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human PDH-E1 Antibody is added and binds to PDH-E1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated PDH-E1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human PDH-E1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

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

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/human-elisa-kits/pyruvate-dehydrogenase-e1-pdh-e1/43178>