

Human [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1, mitochondrial ELISA Kit | PDK1 elisa kit

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CATALOG # AAA194338	REACTIVITY Human
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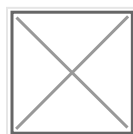
PRODUCT SYNONYMS

[Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1; mitochondrial; Human [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1; mitochondrial ELISA Kit; Pyruvate dehydrogenase kinase isoform 1; PDK1; 2.7.11.2; PDH kinase 1; PDHK1; PDK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Recombinant and natural Human [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial
Sequence Length	456
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.312-20 ng/mL
Sensitivity	< 0.17 ng/mL
Intra-assay Precision	<=4.7%
Inter-assay Precision	<=8.3%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDK1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	514052656
NCBI GeneID	5163
NCBI Accession #	NP_001265478.1
NCBI GenBank Nucleotide #	NM_001278549.1
UniProt Accession #	Q15118; Q308M4; B2R6T1; B7Z937; D3DPD8; E9PD65
Molecular Weight	51,623 Da
NCBI Official Full Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial isoform 1
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase 1
NCBI Official Symbol	PDK1
NCBI Protein Information	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial
UniProt Protein Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial
UniProt Gene Name	PDK1
UniProt Synonym Gene Names	PDHK1; PDH kinase 1
UniProt Entry Name	PDK1_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/pdk1-human-elisa-kits/pyruvate-dehydrogenase-lipoamide-kinase-isozyme-1-mitochondrial/194338>