

Porcine Pyruvate Dehydrogenase -E1 ELISA Kit | PDHE1 elisa kit

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CATALOG #
AAA95840

REACTIVITY
Porcine

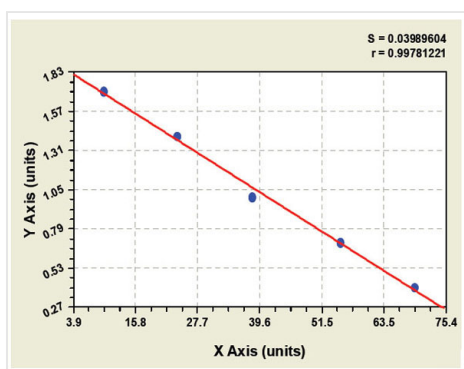
PRODUCT SYNONYMS

Pyruvate Dehydrogenase -E1; Porcine Pyruvate Dehydrogenase -E1 ELISA Kit; PDHE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDHE1 elisa kit

Intended Uses: This PDHE1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine PDHE1. This ELISA kit for research use only!

Principle of the Assay: PDHE1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PDHE1 antibody and an PDHE1-HRP conjugate. The assay sample and buffer are incubated together with PDHE1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PDHE1 concentration since PDHE1 from samples and PDHE1-HRP conjugate compete for the anti-PDHE1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PDHE1 from the sample, fewer sites are left to bind PDHE1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PDHE1 concentration in each sample is interpolated from this standard curve.

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 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/pdhe1-porcine-elisa-kits/pyruvate-dehydrogenase-e1/95840>