

Rat pyruvate dehydrogenase-E1 (PDH E1) ELISA Kit | PDH E1 elisa kit

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CATALOG #
AAA53039

REACTIVITY
Rat

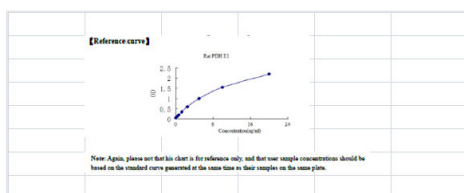
PRODUCT SYNONYMS

pyruvate dehydrogenase-E1 (PDH E1); Rat pyruvate dehydrogenase-E1 (PDH E1) ELISA Kit; PDH E1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	No cross-reaction with other factors.
Sequence Length	809
Samples	Rat serum, plasma or cell culture supernatant
Assay Type	Quantitative Sandwich
Detection Range	20 ng/mL-0.312 ng/mL
Sensitivity	Up to 0.06 ng/mL
Intra-assay Precision	<= 8%
Inter-assay Precision	<= 12%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDH E1 elisa kit

Principle of the Assay: As mentioned above, this kit utilizes the Double Antibody Sandwich ELISA technique. The pre-coated antibody is an anti-Rat PDH E1 monoclonal antibody, while the detection antibody is a biotinylated polyclonal antibody. Samples and biotinylated antibodies are added into ELISA plate wells and washed out with PBS or TBS after their respective additions to the wells. Then Avidin-peroxidase conjugates are added to the wells in after. TMB substrate is used for coloration after the enzyme conjugate has already been thoroughly washed out of the wells by PBS or TBS. TMB reacts to form a blue product from the peroxidase activity, and finally turns to yellow after addition of the stop solution (Color Reagent C). The color intensity and quantity of target analyte in the sample are positively correlated.

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/rat-elisa-kits/pyruvate-dehydrogenase-e1-pdh-e1/53039>