

2-oxoglutarate dehydrogenase, mitochondrial ELISA Kit | Ogdh elisa kit

Rat 2-oxoglutarate dehydrogenase, mitochondrial ELISA Kit

CATALOG #
AAA97982

REACTIVITY
Rat

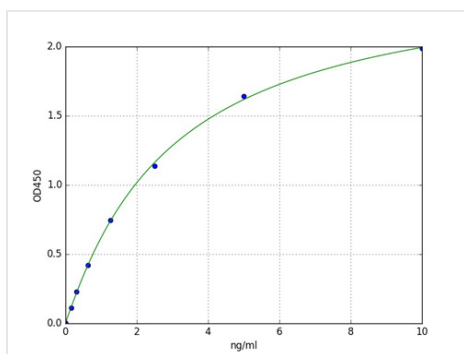
PRODUCT SYNONYMS

2-oxoglutarate dehydrogenase; mitochondrial; Rat 2-oxoglutarate dehydrogenase; mitochondrial ELISA Kit; Ogdh/2-oxoglutarate dehydrogenase; mitochondrial/2-oxoglutarate dehydrogenase complex component E1/OGDC-E1/Alpha-ketoglutarate dehydrogenase/E1k/OGDC/AKGDH; Ogdh elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	1019
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 Rat Ogdh 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	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.075	0.151	0.218	0.348	0.623	1.154	1.625	1.907

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ogdh elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	259013553
NCBI GeneID	4967
NCBI Accession #	NP_001158508.1
NCBI GenBank Nucleotide #	NM_001165036.1
Molecular Weight	48,180 Da
NCBI Official Full Name	2-oxoglutarate dehydrogenase, mitochondrial isoform 3
NCBI Official Synonym Full Names	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)
NCBI Official Symbol	OGDH
NCBI Official Synonym Symbols	E1k; OGDC; AKGDH
NCBI Protein Information	2-oxoglutarate dehydrogenase, mitochondrial
UniProt Protein Name	2-oxoglutarate dehydrogenase, mitochondrial
UniProt Gene Name	OGDH
UniProt Synonym Gene Names	OGDC-E1
UniProt Entry Name	ODO1_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/ogdh-rat-elisa-kits/2-oxoglutarate-dehydrogenase-mitochondrial/97982>