

Rat Mitochondrial uncoupling protein 3 ELISA Kit | Ucp3 elisa kit

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CATALOG #
AAA99982

REACTIVITY
Rat

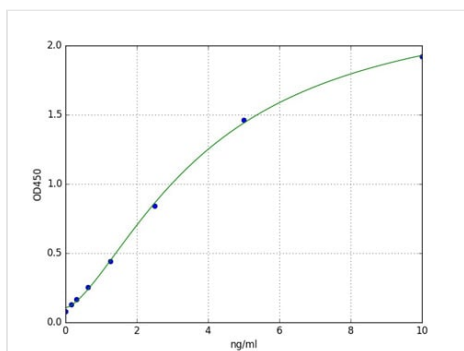
PRODUCT SYNONYMS

Mitochondrial uncoupling protein 3; Rat Mitochondrial uncoupling protein 3 ELISA Kit; Ucp3; Ucp3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	312
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 Ucp3 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	0.018	0.070	0.133	0.228	0.484	0.977	1.695	2.518

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ucp3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Ucp3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Ucp3 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 Ucp3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Ucp3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

2183021

NCBI GeneID	7352
Molecular Weight	22,874 Da
NCBI Official Full Name	UCP3
NCBI Official Synonym Full Names	uncoupling protein 3 (mitochondrial, proton carrier)
NCBI Official Symbol	UCP3
NCBI Official Synonym Symbols	SLC25A9
NCBI Protein Information	mitochondrial uncoupling protein 3
UniProt Protein Name	Mitochondrial uncoupling protein 3
UniProt Gene Name	UCP3
UniProt Synonym Gene Names	SLC25A9; UCP 3
UniProt Entry Name	UCP3_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/ucp3-rat-elisa-kits/mitochondrial-uncoupling-protein-3/99982>