# Mouse UCP2 (Uncoupling Protein 2, Mitochondrial) ELISA Kit | UCP2 elisa kit

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| CATALOG # | REACTIVITY |
|---|---|
| **AAA275579** | **Mouse** |

## PRODUCT SYNONYMS

UCP2 (Uncoupling Protein 2; Mitochondrial); Mouse UCP2 (Uncoupling Protein 2; Mitochondrial) ELISA Kit; SLC25A8; UCPH; Solute carrier family 25 member 8; UCP2 elisa kit

## PRODUCT SPECIFICATIONS

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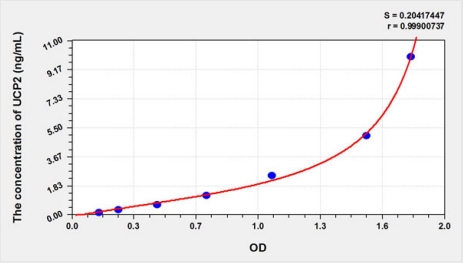
| **Reactivity** | Mouse |
| **Specificity** | This assay has high sensitivity and excellent specificity for detection of Mouse UCP2. No significant cross-reactivity or interference between Mouse UCP2 and analogues was observed. |
| **Assay Type** | Sandwich |
| **Detection Range** | 0.16-10 ng/mL |
| **Sensitivity** | 0.059 ng/mL |
| **Intra-assay Precision** | Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. |
| **Inter-assay Precision** | Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. |
| **Preparation and Storage** | Store at 2-8 degree C. Stable for 6 months from date of receipt. |

## IMAGES




**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for UCP2 elisa kit** | Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Uncoupling Protein 2, Mitochondrial(UCP2). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Uncoupling Protein 2, Mitochondrial(UCP2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Uncoupling Protein 2, Mitochondrial(UCP2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Uncoupling Protein 2, Mitochondrial(UCP2) in the samples is then determined by comparing the OD of the samples to the standard curve. |

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| **Product Categories/Family for UCP2 elisa kit** | Developmental science |

**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://www.aaabiotech.com/mouse-elisa-kits/ucp2-uncoupling-protein-2-mitochondrial/275579