

Mouse uncoupling protein 1 (mitochondrial, proton carrier) ELISA Kit | UCP1 elisa kit

Mouse Mitochondrial brown fat uncoupling protein 1, UCP1 ELISA Kit

CATALOG # AAA18278	REACTIVITY Mouse
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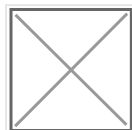
PRODUCT SYNONYMS

uncoupling protein 1 (mitochondrial; proton carrier); Mouse Mitochondrial brown fat uncoupling protein 1; UCP1 ELISA Kit; Mouse Mitochondrial brown fat uncoupling protein 1 (UCP1) ELISA kit; SLC25A7; UCP; mitochondrial brown fat uncoupling protein; thermogenin; uncoupling protein 1; UCP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse UCP1. No significant cross-reactivity or interference between mouse UCP1 and analogues was observed.
Sequence Length	307
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates
Detection Range	4.68 pg/ml-300 pg/ml
Sensitivity	< 1.17 pg/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.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UCP1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for UCP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any UCP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UCP1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of UCP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6678497
NCBI GeneID	22227
NCBI Accession #	NP_033489.1
NCBI GenBank Nucleotide #	NM_009463.3
UniProt Accession #	P12242
Molecular Weight	33,248 Da
NCBI Official Full Name	mitochondrial brown fat uncoupling protein 1
NCBI Official Synonym Full Names	uncoupling protein 1 (mitochondrial, proton carrier)
NCBI Official Symbol	Ucp1
NCBI Official Synonym Symbols	Ucp; Slc25a7; AI385626
NCBI Protein Information	mitochondrial brown fat uncoupling protein 1; UCP 1; thermogenin; solute carrier family 25 member 7; uncoupling protein, mitochondrial; uncoupling protein 1, mitochondrial
UniProt Protein Name	Mitochondrial brown fat uncoupling protein 1
UniProt Gene Name	Ucp1
UniProt Synonym Gene Names	Slc25a7; Ucp; UCP 1
UniProt Entry Name	UCP1_MOUSE

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/ucp1-mouse-elisa-kits/uncoupling-protein-1-mitochondrial-proton-carrier/18278>