

Human UCP-1 ELISA Kit | UCP-1 elisa kit

Human UCP-1 (Uncoupling Protein 1, Mitochondrial) ELISA Kit

CATALOG #
AAA166069

REACTIVITY
Human

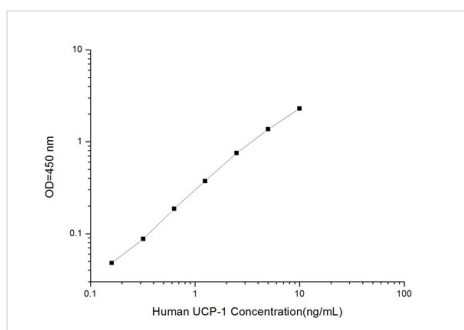
PRODUCT SYNONYMS

UCP-1; Human UCP-1 (Uncoupling Protein 1; Mitochondrial) ELISA Kit; UCP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human UCP-1 in samples. No significant cross-reactivity or interference between Human UCP-1 and analogues was observed.
Sequence Length	126
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human UCP-1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human UCP-1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UCP-1 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human UCP-1 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human UCP-1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human UCP-1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human UCP-1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human UCP-1. You can calculate the concentration of Human UCP-1 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	229558917
Molecular Weight	14,426 Da
NCBI Official Full Name	UCP-1
UniProt Protein Name	Tryptophan rich basic protein
UniProt Gene Name	WRB
UniProt Entry Name	Q5ZJM2_CHICK

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/human-elisa-kits/ucp-1/166069>