

Human MOTS-c (Mitochondrial-derived peptide MOTS-c) ELISA Kit | MOTS-c elisa kit

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CATALOG #
AAA251033

REACTIVITY
Human

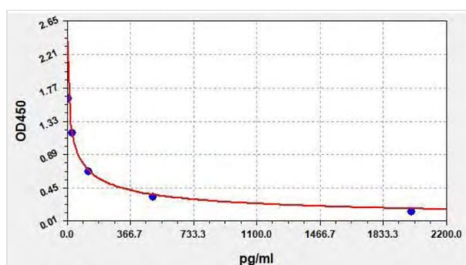
PRODUCT SYNONYMS

MOTS-c (Mitochondrial-derived peptide MOTS-c); Human MOTS-c (Mitochondrial-derived peptide MOTS-c) ELISA Kit; MOTS-c; Mitochondrial-derived peptide MOTS-c; Mitochondrial open reading frame of the 12S rRNA-c; MOTS-c elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize MOTS-c, no obvious cross reaction with other analogues
Assay Type	Competitive
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.488-2000pg/ml
Sensitivity	0.25pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
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)

ADDITIONAL INFORMATION

Related Product Information for MOTS-c elisa kit

Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with MOTS-c. During the reaction, MOTS-c in the sample or standard competes with a fixed amount of MOTS-c on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to MOTS-c. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm. The concentration of MOTS-c in the samples is then determined by comparing the OD of the samples to the standard curve. The concentration of the target substance was inversely proportional to the OD450 value.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1018737946
UniProt Accession #	A0A0C5B5G6
Molecular Weight	2,175 Da
NCBI Official Full Name	Mitochondrial-derived peptide MOTS-c
UniProt Protein Name	Mitochondrial-derived peptide MOTS-c
UniProt Gene Name	MT-RNR1

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/human-elisa-kits/mots-c-mitochondrial-derived-peptide-mots-c/251033>