

Human Ghrelin O-acyltransferase ELISA Kit | MBOAT4 elisa kit

Human Ghrelin O-acyltransferase ELISA Kit

CATALOG #
AAA102150

REACTIVITY
Human

PRODUCT SYNONYMS

Ghrelin O-acyltransferase; Human Ghrelin O-acyltransferase ELISA Kit; MBOAT4/OACT4/EC 2.3.1.-/ghrelin O-acyltransferase/membrane bound O-acyltransferase domain containing 4/Membrane-bound O-acyltransferase domain-containing protein 4/OACT4/O-acyltransferase (membrane bound) domain containing 4/O-acyltransferase domain-containing protein 4; MBOAT4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MBOAT4 . No significant cross-reactivity or interference between MBOAT4 and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between MBOAT4 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	435
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MBOAT4 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MBOAT4 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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

Typical Data & Standard Curve

Results of a typical standard operation of a MBOAT4 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.102	0.27	0.368	0.557	0.795	1.153	1.608	2.043

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MBOAT4 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MBOAT4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- MBOAT4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin 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 MBOAT4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MBOAT4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189571629
NCBI GeneID	619373
NCBI Accession #	NP_001094386.1
NCBI GenBank Nucleotide #	NM_001100916.1
Molecular Weight	37,721 Da
NCBI Official Full Name	ghrelin O-acyltransferase
NCBI Official Synonym Full Names	membrane bound O-acyltransferase domain containing 4
NCBI Official Symbol	MBOAT4
NCBI Official Synonym Symbols	GOAT; OACT4; FKSG89
NCBI Protein Information	ghrelin O-acyltransferase
UniProt Protein Name	Ghrelin O-acyltransferase
UniProt Gene Name	MBOAT4
UniProt Synonym Gene Names	GOAT; OACT4; O-acyltransferase domain-containing protein 4
UniProt Entry Name	MBOA4_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/mboat4-human-elisa-kits/ghrelin-o-acyltransferase/102150>