

Human Meteorin-like protein ELISA Kit | METRNL elisa kit

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CATALOG #
AAA17646

REACTIVITY
Human

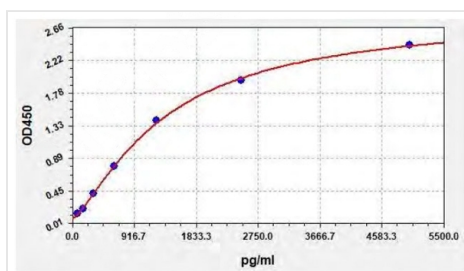
PRODUCT SYNONYMS

Meteorin-like protein; Human Meteorin-like protein ELISA Kit; METRNL/meteorin; glial cell differentiation regulator-like/meteorin-like protein/MGC99788; METRNL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize METRNL, no obvious cross reaction with other analogues
Sequence Length	311
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/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 METRNL elisa kit	Background: Meteorin-like protein (METRNL) (also known as IL-41), has been identified as a myokine, is released in response to muscle contraction. It improves the skeletal muscle insulin sensitivity through exerting a beneficial antiinflammatory effect. Diseases associated with METRNL include Bardet-Biedl Syndrome 12 and Primary Cutaneous Amyloidosis. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti METRNL antibody was pre-coated onto the 96-well plate. The biotin conjugated anti METRNL antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with METRNL conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of METRNL in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	52345387
NCBI GeneID	284207
NCBI Accession #	NP_001004431.1
NCBI GenBank Nucleotide #	NM_001004431.2
Molecular Weight	25,738 Da
NCBI Official Full Name	meteorin-like protein
NCBI Official Synonym Full Names	meteorin, glial cell differentiation regulator-like
NCBI Official Symbol	METRNL
NCBI Protein Information	meteorin-like protein
UniProt Protein Name	Meteorin-like protein
UniProt Gene Name	METRNL
UniProt Entry Name	METRL_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.