

Mouse Meteorin ELISA Kit | METRN elisa kit

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CATALOG #
AAA263132

REACTIVITY
Mouse

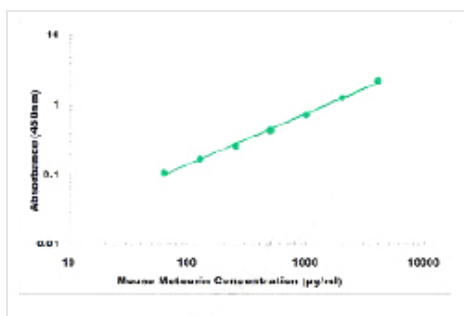
PRODUCT SYNONYMS

Meteorin; Mouse Meteorin ELISA Kit; C16orf23; METRN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse Meteorin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse Meteorin proteins within the range of 62.5 pg/ml - 4000 pg/ml.
Sequence Length	291
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<12 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for METRN elisa kit

Principle of the Assay: The Mouse Meteorin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse Meteorin in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse Meteorin coated on a 96-well plate. Standards and samples are pipetted into the wells and Meteorin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse Meteorin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Meteorin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Meteorin, glial cell differentiation regulator is a protein that in humans is encoded by the METRN gene. The mouse Metrn gene is mapped to chromosome 17. It is concluded that meteorin acts directly on satellite glial cells to induce a change in morphology and that transformed satellite glial cells induce the secondary effect of neurite extension. In cerebellar explants, meteorin induced conversion of cerebellar astrocytes into radial glia and promoted astrocyte differentiation from embryonic day 11.5 cerebral cortex neurospheres.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51317368
NCBI GeneID	70083
NCBI Accession #	NP_598480.1
NCBI GenBank Nucleotide #	NM_133719.2
UniProt Accession #	Q8C1Q4; Q45G31; Q6P6N6; Q8CI64; Q922A8
Molecular Weight	13,797 Da
NCBI Official Full Name	meteorin
NCBI Official Synonym Full Names	meteorin, glial cell differentiation regulator
NCBI Official Symbol	Metrn
NCBI Official Synonym Symbols	Hyrac; 1810034B16Rik
NCBI Protein Information	meteorin
UniProt Protein Name	Meteorin
UniProt Gene Name	Metrn
UniProt Synonym Gene Names	Hyrac
UniProt Entry Name	METRN_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://www.aaabiotech.com/metrn-mouse-elisa-kits/meteorin/263132>