

Mouse Meteorin/METR N ELISA Kit | METRN elisa kit

Mouse Meteorin/METR N PicoKine ELISA Kit

CATALOG #
AAA46780

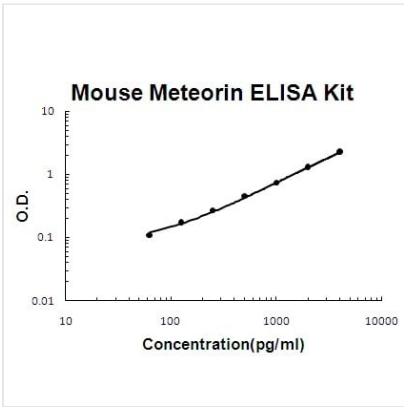
REACTIVITY
Mouse

PRODUCT SYNONYMS

Meteorin/METR N; Mouse Meteorin/METR N PicoKine ELISA Kit; C16orf23; c380A1.2; Hyrac; Meteorin; Meteorin precursor; Metrn; Q8C1Q4 ; meteorin; glial cell differentiation regulator; METRN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse Meteorin
Sequence Length	291
Assay Range	62.5pg/ml-4000pg/ml
Sensitivity	<12pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	15-20
Immunogen	NSO, G22-D291
Sample Data	Concentration(pg/ml): 0 62.5 125 250 500 1000 2000 4000 O.D.: 0.068 0.107 0.171 0.262 0.442 0.728 1.300 2.254
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n: 16 16 16 24 24 24 Mean(pg/ml): 130 611 2300 152 685 2542 Standard Deviation: 6.11 33.61 144.90 10.49 52.75 213.53 CV(%): 4.7 5.5 6.3 6.9 7.7 8.4
Assay Procedure Step 1	Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse Meteorin standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum, plasma(heparin, EDTA) to each empty well. It is recommended that each mouse Meteorin standard solution and each sample be measured in duplicate.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse Meteorin/METRN PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for METRN elisa kit	For quantitative detection of mouse Meteorin in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA). 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. Principle: Mouse Meteorin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Rat specific for Meteorin has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: G22-D291) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Meteorin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substRate TMB was 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 Mouse Meteorin amount of sample captured in plate.
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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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/meteorin-metn/46780>