

Rat Myostatin (MSTN) CLIA Kit | MSTN clia kit

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CATALOG #
AAA130083

REACTIVITY
Rat

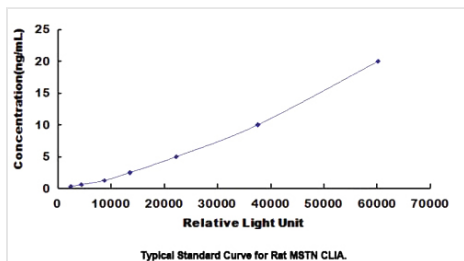
PRODUCT SYNONYMS

Myostatin (MSTN); Rat Myostatin (MSTN) CLIA Kit; GDF8; Growth Differentiation Factor 8; MSTN clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Myostatin (MSTN). No significant cross-reactivity or interference between Myostatin (MSTN) and analogues was observed.
Sequence Length	459
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	54.9-40,000pg/mL
Sensitivity	18.7pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Myostatin (MSTN) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Myostatin (MSTN) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MSTN clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Myostatin (MSTN). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Myostatin (MSTN). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Myostatin (MSTN) level in the sample or standard.;
Product Categories/Family for MSTN clia kit	Cytokine; Metabolic pathway; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	308445232
Molecular Weight	53,375 Da
NCBI Official Full Name	myostatin
UniProt Protein Name	Myostatin
UniProt Entry Name	E3TTZ7_ARGIR

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://www.aaabiotech.com/rat-clia-kits/myostatin-mstn/130083>