

Rat Myostatin (MSTN) ELISA Kit | MSTN elisa kit

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CATALOG #
AAA182294

REACTIVITY
Rat

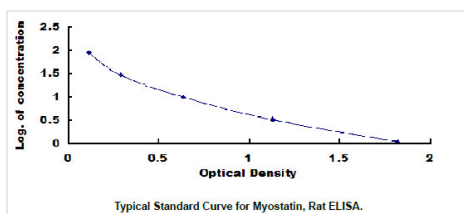
PRODUCT SYNONYMS

Myostatin (MSTN); Rat Myostatin (MSTN) ELISA Kit; GDF8; Growth Differentiation Factor 8; MSTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of myostatin. No significant cross-reactivity or interference between myostatin and analogues was observed.
Sequence Length	126
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	1.11-90ng/mL
Sensitivity	< 0.49ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level myostatin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level myostatin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of myostatin in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to myostatin has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled myostatin and unlabeled myostatin (Standards or samples) with the pre-coated antibody specific to myostatin. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of myostatin in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of myostatin in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	264683446
Molecular Weight	14,486 Da
NCBI Official Full Name	myostatin, partial
UniProt Protein Name	Myostatin
UniProt Gene Name	MSTN

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/rat-elisa-kits/myostatin-mstn/182294>