

Rat Myostatin (MSTN) ELISA Kit | MSTN elisa kit

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CATALOG #
AAA67862

REACTIVITY
Rat

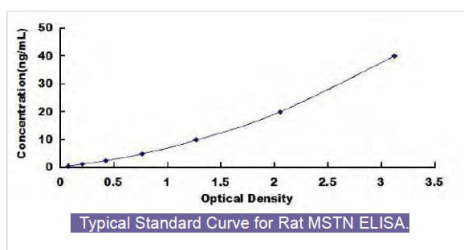
PRODUCT SYNONYMS

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 MSTN. No significant cross-reactivity or interference between MSTN and analogues was observed.
Sequence Length	376
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.214ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MSTN 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 MSTN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MSTN elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MSTN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MSTN. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MSTN, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of MSTN in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of MSTN in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9506907
NCBI GeneID	29152
NCBI Accession #	NP_062024.1
NCBI GenBank Nucleotide #	NM_019151.1
UniProt Accession #	O35312
Molecular Weight	42,829 Da
NCBI Official Full Name	growth/differentiation factor 8
NCBI Official Synonym Full Names	myostatin
NCBI Official Symbol	Mstn
NCBI Official Synonym Symbols	Gdf8
NCBI Protein Information	growth/differentiation factor 8
UniProt Protein Name	Growth/differentiation factor 8
UniProt Gene Name	Mstn
UniProt Synonym Gene Names	Gdf8; GDF-8

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.