

Human myostatin ELISA Kit | MSTN elisa kit

Human Myostatin, MSTN ELISA Kit

CATALOG #
AAA15499

REACTIVITY
Human

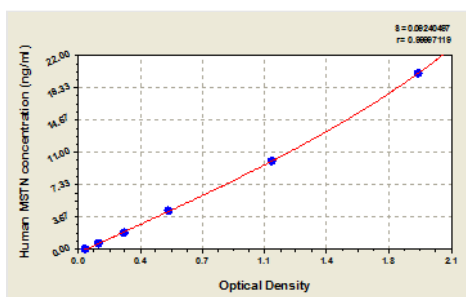
PRODUCT SYNONYMS

myostatin; Human Myostatin; MSTN ELISA Kit; GDF8; growth differentiation factor 8; MSTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human MSTN. No significant cross-reactivity or interference between human MSTN and analogues was observed.
Sequence Length	375
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.625 ng/ml-20 ng/ml
Sensitivity	0.312 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<15%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<15%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MSTN elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MSTN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells with a Horseradish Peroxidase (HRP) conjugated antibody specific for MSTN. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MSTN bound in the initial step. The color development is stopped and the intensity of the color is measured.

References	Evaluation of serum myostatin and sclerostin levels in chronic spinal cord injured patients. M Invernizzi, S Carda, M Rizzi, E Grana, D F Squarzanti, C Cisari, C Molinari, and F Renò (2015)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885259
NCBI GeneID	2660
NCBI Accession #	NP_005250.1
NCBI GenBank Nucleotide #	NM_005259.2
UniProt Accession #	O14793 ; Q6B0H2 ; A1C2J7 ; A1C2K0
Molecular Weight	42,750 Da
NCBI Official Full Name	growth/differentiation factor 8
NCBI Official Synonym Full Names	myostatin
NCBI Official Symbol	MSTN
NCBI Official Synonym Symbols	GDF8; MSLHP
NCBI Protein Information	growth/differentiation factor 8; GDF-8; growth differentiation factor 8
UniProt Protein Name	Growth/differentiation factor 8
UniProt Gene Name	MSTN
UniProt Synonym Gene Names	GDF8; GDF-8
UniProt Entry Name	GDF8_HUMAN

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/mstn-human-elisa-kits/myostatin/15499>