

Human Growth/differentiation factor 8 ELISA Kit | MSTN elisa kit

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CATALOG #
AAA99193

REACTIVITY
Human

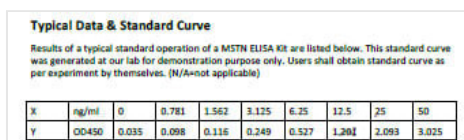
PRODUCT SYNONYMS

Growth/differentiation factor 8; Human Growth/differentiation factor 8 ELISA Kit; MSTN (Myostatin)/GDF-8/GDF8/growth differentiation factor 8/growth; differentiation factor 8; MSTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between MSTN and all the analogues, therefore, cross reaction may still exist.
Sequence Length	375
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/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<8%
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<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MSTN elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MSTN antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- MSTN antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 MSTN amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MSTN can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885259
NCBI GeneID	2660
NCBI Accession #	NP_005250.1
NCBI GenBank Nucleotide #	NM_005259.2
Molecular Weight	42,750 Da
NCBI Official Full Name	growth/differentiation factor 8 preproprotein
NCBI Official Synonym Full Names	myostatin
NCBI Official Symbol	MSTN
NCBI Official Synonym Symbols	GDF8; MSLHP
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
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/growth-differentiation-factor-8/99193>