

Mouse Growth/differentiation factor 8 ELISA Kit | Mstn elisa kit

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CATALOG #
AAA100289

REACTIVITY
Mouse

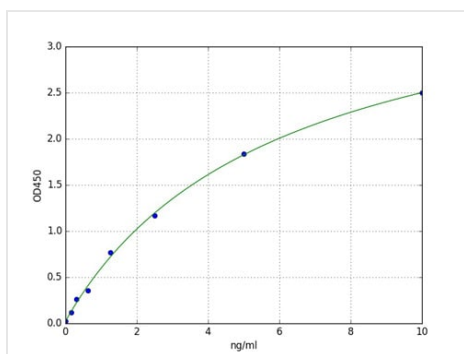
PRODUCT SYNONYMS

Growth/differentiation factor 8; Mouse Growth/differentiation factor 8 ELISA Kit; Mstn/MSTN/Myostatin/GDF-8/GDF8growth differentiation factor 8/growth/differentiation factor 8/Myostatin/myostatin; Mstn elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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
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)

Typical Data & Standard Curve

Results of a typical standard run of a Mouse Mstn ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.038	0.204	0.324	0.610	0.957	1.400	1.875	2.044

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-Mouse Mstn antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse Mstn antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin 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 Mouse Mstn amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mstn-mouse-elisa-kits/growth-differentiation-factor-8/100289>