

Canine MSTN (Growth/differentiation factor 8) ELISA Kit | MSTN elisa kit

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CATALOG #
AAA250617

REACTIVITY
Canine

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
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.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	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

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. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated 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. 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 target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50950173
NCBI GeneID	403433
NCBI Accession #	NP_001002959.1
NCBI GenBank Nucleotide #	NM_001002959.1
UniProt Accession #	Q6UKZ8
Molecular Weight	42,682 Da
NCBI Official Full Name	growth/differentiation factor 8

NCBI Official Symbol	MSTN
NCBI Official Synonym Symbols	GDF8
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_CANFA

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://www.aaabiotech.com/canine-elisa-kits/mstn-growth-differentiation-factor-8/250617>