

Myostatin/GDF8 ELISA Kit | MSTN elisa kit

Rat Myostatin/GDF8 PicoKine ELISA Kit

CATALOG #
AAA124978

REACTIVITY
Rat There is no detectable cross-reactivity with other relevant proteins.

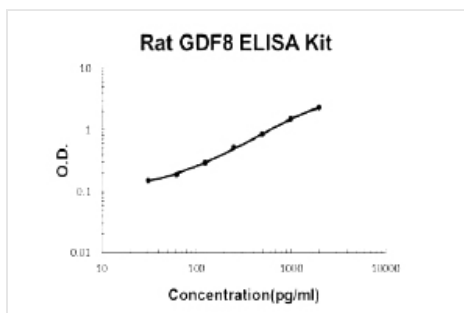
PRODUCT SYNONYMS

Myostatin/GDF8; Rat Myostatin/GDF8 PicoKine ELISA Kit; Rat Myostatin/GDF8; Growth/differentiation factor 8; GDF-8; Myostatin; Mstn; Gdf8; MSTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Rat Lgals1
Sequence Length	376
Samples	Cell Culture Supernates, Serum And Plasma (Heparin, Edta)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MSTN elisa kit	Principle of the Assay: The Picokine Rat Lgals1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Lgals1 with a 96-well strip plate that is pre-coated with antibody specific for Lgals1. The detection antibody is a biotinylated antibody specific for Lgals1. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Rat Lgals1 with immunogen: Expression system for standard: E.coli, Immunogen sequence: A2-E135. The kit is analytically validated with ready to use reagents. To measure Rat Lgals1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Rat Lgals1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat Lgals1 in the sample!!Background/Introduction: Galectin-1 is a protein that in humans is encoded by the LGALS1 gene. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin-1 may act as an autocrine negative growth factor that regulates cell proliferation. Its expression in Hodgkin Lymphoma has also been shown to mediate immunosuppression of CD8+ T-cells. Additionally, Galectin-1 is thought to play a role in creating immune tolerance in pregnancy.
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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.