

Mouse GDF-15 ELISA Kit | GDF15 elisa kit

Mouse GDF-15 PicoKine ELISA Kit

CATALOG #
AAA45963

REACTIVITY
Mouse

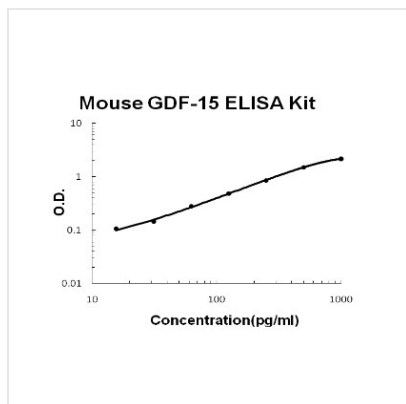
PRODUCT SYNONYMS

GDF-15; Mouse GDF-15 PicoKine ELISA Kit; Growth/differentiation factor 15; growth differentiation factor 15; Macrophage inhibitory cytokine 1; MIC 1; NAG-1; NRG-1; NSAID-activated gene 1 protein; NSAID-regulated gene 1 protein; PDF; PLAB; Placental bone morphogenetic protein; Placental TGF-beta; Prostate differentiation factor; PROSTATE-DERIVED FACTOR; PTGFB; GDF15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse GDF-15
Sequence Length	303
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/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 between 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, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse GDF-15 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for GDF15 elisa kit	Principle of the assay: mouse GDF-15 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for GDF-15 has been precoated onto 96-well plates. Standards(NSO, S189-A303) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for GDF-15 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 GDF-15 amount of sample captured in plate. Background: GDF-15(Growth differentiation factor 15),also known as TGF-PL, MIC-1, PDF, PLAB, and PTGFB, is a protein belonging to the transforming growth factor beta superfamily that has a role in regulating inflammatory and apoptotic pathways in injured tissues and during disease processes. Using FISH, the MIC1 gene is mapped to 19p13.2-p13.1. Its expression in liver can be significantly up-regulated in during injury of organs such as liver, kidney, heart and lung. GDF15 showed increased expression and secretion during erythroblast maturation. GDF15 functions as an antiinflammatory cytokine by directly interfering with chemokine signaling and integrin activation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	408360114
NCBI GeneID	23886
UniProt Accession #	Q9Z0J7; Q6NX63
Molecular Weight	33,225 Da
NCBI Official Full Name	Growth/differentiation factor 15
NCBI Official Synonym Full Names	growth differentiation factor 15
NCBI Official Symbol	Gdf15
NCBI Official Synonym Symbols	SBF; MIC-1; NAG-1
NCBI Protein Information	growth/differentiation factor 15; GDF-15; macrophage inhibiting cytokine-1
UniProt Protein Name	Growth/differentiation factor 15
UniProt Gene Name	Gdf15
UniProt Synonym Gene Names	Sbf; GDF-15
UniProt Entry Name	GDF15_MOUSE

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/gdf15-mouse-elisa-kits/gdf-15/45963>