

Rat Growth Differentiation Factor 15 ELISA Kit | GDF15 elisa kit

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CATALOG #
AAA98011

REACTIVITY
Rat

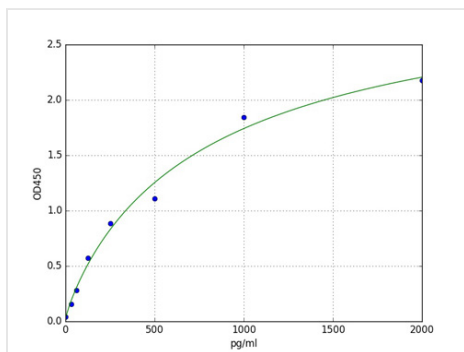
PRODUCT SYNONYMS

Growth Differentiation Factor 15; Rat Growth Differentiation Factor 15 ELISA Kit; GDF15/GDF-15/MIC-1/NAG-1/PDF/PLAB/PTGF-beta/growth differentiation factor 15/growth/differentiation factor 15/Macrophage inhibitory cytokine 1/Mic-1/MIC-1NSAID-activated gene 1 protein/MIC1Prostate differentiation factor/NAG-1/NAG-1NSAID-regulated gene 1 protein/NSAID (nonsteroidal inflammatory drug)-activated protein 1/PDF/PDFGDF-15/PLAB/PLABNRG-1/Placental bone morphogenetic protein/Placental TGF-beta/PTGF-beta/PTGFBPTGF-beta; GDF15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	308
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 Rat GDF15 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	pg/ml	0	31.2	62.5	125	250	500	1000	2000
Y	OD450	0.042	0.121	0.201	0.401	0.791	1.093	1.988	2.568

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF15 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat GDF15 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat GDF15 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 Rat GDF15 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat GDF15 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14286322
NCBI GeneID	9518
Molecular Weight	34,140 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	PDF; MIC1; PLAB; MIC-1; NAG-1; PTGFB; GDF-15
NCBI Protein Information	growth/differentiation factor 15
UniProt Protein Name	Growth/differentiation factor 15
UniProt Gene Name	GDF15
UniProt Synonym Gene Names	MIC1; PDF; PLAB; PTGFB; GDF-15; MIC-1; NAG-1; NRG-1
UniProt Entry Name	GDF15_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/gdf15-rat-elisa-kits/growth-differentiation-factor-15/98011>