

Rat Growth Differentiation Factor 5 ELISA Kit | GDF5 elisa kit

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CATALOG #
AAA98300

REACTIVITY
Rat

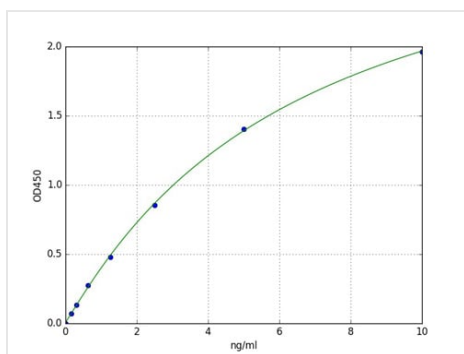
PRODUCT SYNONYMS

Growth Differentiation Factor 5; Rat Growth Differentiation Factor 5 ELISA Kit; GDF5/BMP-14/CDMP-1/BMP14/Cartilage-derived morphogenetic protein 1/cartilage-derived morphogenetic protein-1/CDMP1LAP4/GDF-5/growth/differentiation factor 5/OS5/Radotermin/radotermin/SYNS2; GDF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	351
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 GDF5 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	0.062	0.119	0.173	0.250	0.468	0.715	1.371	2.295

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF5 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat GDF5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat GDF5 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 GDF5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat GDF5 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	215273634
Molecular Weight	39,932 Da
NCBI Official Full Name	growth differentiation factor 5, partial
UniProt Protein Name	Growth differentiation factor 5
UniProt Gene Name	Gdf5
UniProt Entry Name	B6ZHB6_9CICH

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/gdf5-rat-elisa-kits/growth-differentiation-factor-5/98300>