

Rat GDF5 ELISA Kit | GDF5 elisa kit

Rat GDF5 PicoKine ELISA Kit

CATALOG #
AAA46682

REACTIVITY
Rat

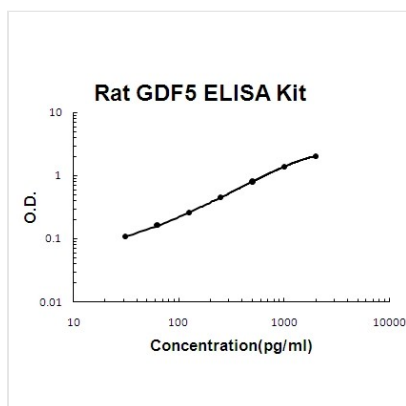
PRODUCT SYNONYMS

GDF5; Rat GDF5 PicoKine ELISA Kit; BMP14; CDMP-1; CDMP1; GDF-5; LAP4; OS5; Radotermis; SYNS2; Q8K4X5; Growth and differentiation factor-5; growth differentiation factor 5; GDF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat GDF5
Sequence Length	67
Samples	Cell culture supernates, serum and plasma(heparin, EDTA).
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/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)

Rat GDF5 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for GDF5 elisa kit	Principle of the Assay: Rat GDF5 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for GDF5 has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli; Immunogen sequence: A376-R495) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for GDF5 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 Rat GDF5 amount of sample captured in plate. Background/Introduction: Growth/differentiation factor 5 is a protein that in humans is encoded by the GDF5 gene. GDF5 is a protein belonging to the transforming growth factor beta superfamily that is expressed in the developing central nervous system, and has a role in skeletal and joint development. It also increases the survival of neurones that respond to the neurotransmitter dopamine, and is a potential therapeutic molecule associated with Parkinson's disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	81901154
NCBI GeneID	252835
UniProt Accession #	Q8K4X5
Molecular Weight	7,491 Da
NCBI Official Full Name	Growth and differentiation factor-5
NCBI Official Synonym Full Names	growth differentiation factor 5
NCBI Official Symbol	Gdf5
NCBI Official Synonym Symbols	Cdmp1
NCBI Protein Information	growth differentiation factor 5
UniProt Protein Name	Growth and differentiation factor-5
UniProt Gene Name	Gdf5
UniProt Entry Name	Q8K4X5_RAT

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/rat-elisa-kits/gdf5/46682>