

Rat GDF5 ELISA Kit | GDF5 elisa kit

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CATALOG #
AAA263163

REACTIVITY
Rat

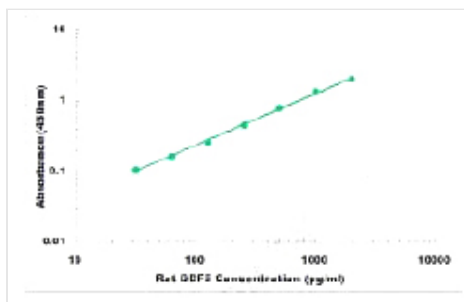
PRODUCT SYNONYMS

GDF5; Rat GDF5 ELISA Kit; BMP14; CDMP1; Growth/differentiation factor 5; GDF-5; Bone morphogenetic protein 14; BMP-14; Cartilage-derived morphogenetic protein 1; CDMP-1; Lipopolysaccharide-associated protein 4; LAP-4; LPS-associated protein 4; Radotermis; GDF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat GDF5 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat GDF5 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	67
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF5 elisa kit

Principle of the Assay: The Rat GDF5 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat GDF5 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat GDF5 coated on a 96-well plate. Standards and samples are pipetted into the wells and GDF5 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat GDF5 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of GDF5 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: 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.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/gdf5/263163>