

Rat Growth Differentiation Factor 2 (GDF2) ELISA Kit | GDF2 elisa kit

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CATALOG #
AAA66270

REACTIVITY
Rat

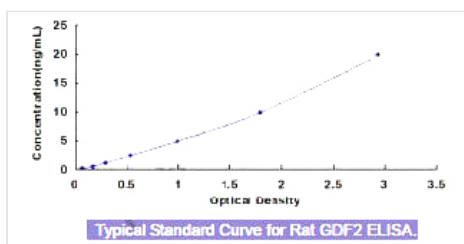
PRODUCT SYNONYMS

Growth Differentiation Factor 2 (GDF2); Rat Growth Differentiation Factor 2 (GDF2) ELISA Kit; BMP9; Bone Morphogenetic Protein 9; GDF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GDF2. No significant cross-reactivity or interference between GDF2 and analogues was observed.
Sequence Length	430
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.126ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GDF2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GDF2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GDF2 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GDF2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GDF2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GDF2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of GDF2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157824120
NCBI GeneID	290921
NCBI Accession #	NP_001099566.1
NCBI GenBank Nucleotide #	NM_001106096.1
UniProt Accession #	M0RB87
Molecular Weight	47,978 Da
NCBI Official Full Name	growth/differentiation factor 2
NCBI Official Synonym Full Names	growth differentiation factor 2
NCBI Official Symbol	Gdf2
NCBI Protein Information	growth/differentiation factor 2
UniProt Protein Name	Protein Gdf2
UniProt Gene Name	Gdf2

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.