

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

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CATALOG #
AAA178029

REACTIVITY
Human

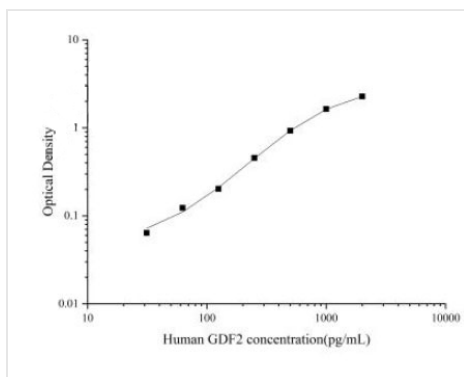
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human GDF2 in samples. No significant cross-reactivity or interference between Human GDF2 and analogues was observed
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	31.25-2000 pg/mL
Sensitivity	18.75 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human GDF2 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human GDF2 were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	An unopened kit can be stored at 2-8 degree C for 1 month. If the kit is not supposed to be used within 1 month, store the components separately according to the following conditions once the kit is received.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF2 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human GDF2. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human GDF2 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human GDF2, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The OD value is proportional to the concentration of Human GDF2. You can calculate the concentration of Human GDF2 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human GDF2 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7705308
NCBI GeneID	2658
NCBI Accession #	NP_057288.1
NCBI GenBank Nucleotide #	NM_016204.1
UniProt Accession #	Q9UK05; Q5VSQ9; Q9Y571
Molecular Weight	47,320 Da
NCBI Official Full Name	growth/differentiation factor 2
NCBI Official Synonym Full Names	growth differentiation factor 2
NCBI Official Symbol	GDF2
NCBI Official Synonym Symbols	BMP9; BMP-9
NCBI Protein Information	growth/differentiation factor 2; GDF-2; bone morphogenetic protein 9
UniProt Protein Name	Growth/differentiation factor 2
UniProt Gene Name	GDF2
UniProt Synonym Gene Names	BMP9; GDF-2; BMP-9
UniProt Entry Name	GDF2_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.