

Human GDF3 ELISA Kit | GDF3 elisa kit

Human GDF3 (Growth Differentiation Factor 3) ELISA Kit

CATALOG #
AAA21435

REACTIVITY
Human

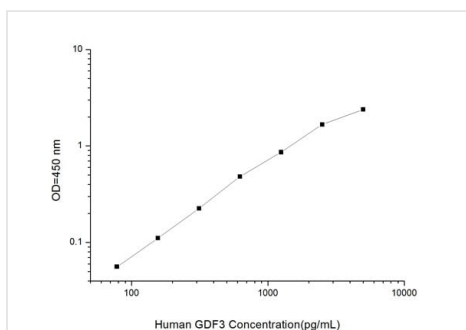
PRODUCT SYNONYMS

GDF3; Human GDF3 (Growth Differentiation Factor 3) ELISA Kit; GDF3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human GDF3 in samples. No significant cross-reactivity or interference between Human GDF3 and analogues was observed.
Sequence Length	364
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	78.13-5000pg/mL
Sensitivity	46.88pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human GDF3 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 GDF3 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF3 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 GDF3. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human GDF3 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 GDF3, 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 nm ± 2 nm. The OD value is proportional to the concentration of Human GDF3. You can calculate the concentration of Human GDF3 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 GDF3 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10190670
NCBI GeneID	9573
NCBI Accession #	NP_065685.1
NCBI GenBank Nucleotide #	NM_020634.1
UniProt Accession #	Q9NR23; Q8NEJ4
Molecular Weight	41,387 Da
NCBI Official Full Name	growth/differentiation factor 3
NCBI Official Synonym Full Names	growth differentiation factor 3
NCBI Official Symbol	GDF3
NCBI Official Synonym Symbols	KFS3; MCOP7; MCOPCB6
NCBI Protein Information	growth/differentiation factor 3; GDF-3
UniProt Protein Name	Growth/differentiation factor 3
UniProt Gene Name	GDF3
UniProt Synonym Gene Names	GDF-3
UniProt Entry Name	GDF3_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.