

Human GDF7 ELISA Kit | GDF7 elisa kit

Human GDF7 (Growth Differentiation Factor 7) ELISA Kit

CATALOG #
AAA21590

REACTIVITY
Human

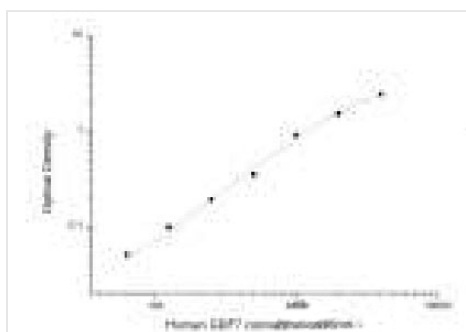
PRODUCT SYNONYMS

GDF7; Human GDF7 (Growth Differentiation Factor 7) ELISA Kit; GDF7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human GDF7 in samples. No significant cross-reactivity or interference between Human GDF7 and analogues was observed
Sequence Length	450
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	62.5-4000 pg/mL
Sensitivity	37.5 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human GDF7 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 GDF7 were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF7 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 GDF7. 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 GDF7 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 GDF7, 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 GDF7. You can calculate the concentration of Human GDF7 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 GDF7 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61835232
NCBI GeneID	151449
NCBI Accession #	NP_878248.2
NCBI GenBank Nucleotide #	NM_182828.2
UniProt Accession #	Q7Z4P5
Molecular Weight	46,950 Da
NCBI Official Full Name	growth/differentiation factor 7 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 7
NCBI Official Symbol	GDF7
NCBI Official Synonym Symbols	BMP12
NCBI Protein Information	growth/differentiation factor 7; GDF-7
UniProt Protein Name	Growth/differentiation factor 7
UniProt Gene Name	GDF7
UniProt Synonym Gene Names	GDF-7
UniProt Entry Name	GDF7_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.