

Human Growth Differentiation Factor 10 (GDF10) ELISA Kit | GDF10 elisa kit

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CATALOG #
AAA68407

REACTIVITY
Human

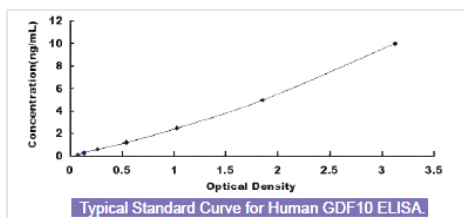
PRODUCT SYNONYMS

Growth Differentiation Factor 10 (GDF10); Human Growth Differentiation Factor 10 (GDF10) ELISA Kit; BMP3b; BIP; Bone-inducing protein; Bone morphogenetic protein 3B; GDF10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GDF10. No significant cross-reactivity or interference between GDF10 and analogues was observed.
Sequence Length	478
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.052ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GDF10 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 GDF10 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF10 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of GDF10 in human 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 GDF10. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GDF10. 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 GDF10, 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 GDF10 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826740
NCBI GeneID	2662
NCBI Accession #	NP_004953.1
NCBI GenBank Nucleotide #	NM_004962.4
UniProt Accession #	P55107; Q5VSQ8; Q9UCX6
Molecular Weight	53,122 Da
NCBI Official Full Name	growth/differentiation factor 10 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 10
NCBI Official Symbol	GDF10
NCBI Official Synonym Symbols	BIP; BMP3B; BMP-3b
NCBI Protein Information	growth/differentiation factor 10
UniProt Protein Name	Growth/differentiation factor 10
UniProt Gene Name	GDF10
UniProt Synonym Gene Names	GDF-10; BMP-3B; BIP

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/growth-differentiation-factor-10-gdf10/68407>