

Human growth differentiation factor 10 ELISA Kit | GDF10 elisa kit

Human Bone morphogenetic protein 3B, GDF10 ELISA Kit

CATALOG #
AAA113064

REACTIVITY
Human

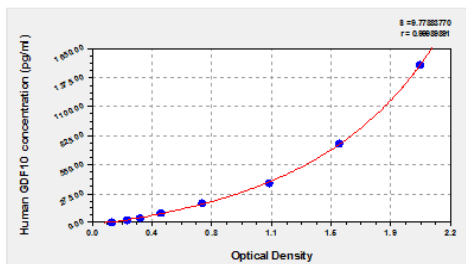
PRODUCT SYNONYMS

growth differentiation factor 10; Human Bone morphogenetic protein 3B; GDF10 ELISA Kit; Human Bone morphogenetic protein 3B (GDF10) ELISA kit; BMP-3b; BMP3B; bone morphogenetic protein 3B; GDF10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GDF10. No significant cross-reactivity or interference between human GDF10 and analogues was observed.
Sequence Length	478
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	23.44 pg/ml-1500 pg/ml.
Sensitivity	The minimum detectable dose of human GDF10 is typically less than 5.86 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF10 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GDF10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GDF10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GDF10 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GDF10 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4826740
NCBI GeneID	2662
NCBI Accession #	NP_004953.1
NCBI GenBank Nucleotide #	NM_004962.3
UniProt Accession #	P55107; Q5VSQ8; Q9UCX6
Molecular Weight	53,122 Da
NCBI Official Full Name	bone morphogenetic protein 3B
NCBI Official Synonym Full Names	growth differentiation factor 10
NCBI Official Symbol	GDF10
NCBI Official Synonym Symbols	BMP3B; BMP-3b
NCBI Protein Information	bone morphogenetic protein 3B; BIP; GDF-10; bone-inducing protein
UniProt Protein Name	Bone morphogenetic protein 3B
UniProt Gene Name	GDF10
UniProt Synonym Gene Names	BMP3B; BMP-3B; BIP; GDF-10
UniProt Entry Name	BMP3B_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.

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Online datasheet: <https://stage.aaabiotech.com/gdf10-human-elisa-kits/growth-differentiation-factor-10/113064>