

Human growth differentiation factor 2 ELISA Kit | GDF2 elisa kit

human growth differentiation factor 2, GDF2 ELISA Kit

CATALOG #
AAA80262

REACTIVITY
Human

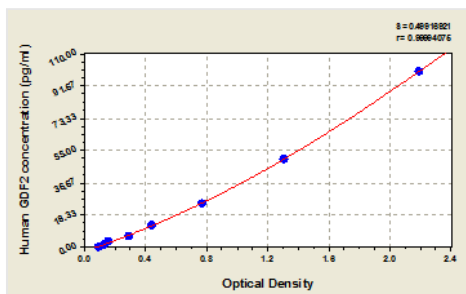
PRODUCT SYNONYMS

growth differentiation factor 2; human growth differentiation factor 2; GDF2 ELISA Kit; BMP-9; BMP9; bone morphogenetic protein 9; GDF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GDF2. No significant cross-reactivity or interference between human GDF2 and analogues was observed.
Sequence Length	429
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	1.56 pg/ml -10 0 pg/ml.
Sensitivity	The minimum detectable dose of human GDF2 is typically less than 0.39 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 GDF2 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GDF2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GDF2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GDF2 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 GDF2 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 #	7705308
NCBI GeneID	2658
NCBI Accession #	NP_057288.1
NCBI GenBank Nucleotide #	NM_016204.2
UniProt Accession #	Q9UK05; Q5VSQ9; Q9Y571
Molecular Weight	47,320 Da
NCBI Official Full Name	growth/differentiation factor 2 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 2
NCBI Official Symbol	GDF2
NCBI Official Synonym Symbols	BMP9; HHT5; 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.

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Online datasheet: <https://stage.aaabiotech.com/gdf2-human-elisa-kits/growth-differentiation-factor-2/80262>