

Human growth differentiation factor 5 ELISA Kit | GDF5 elisa kit

Human Growth/differentiation factor 5, GDF5 ELISA Kit

CATALOG #
AAA112550

REACTIVITY
Human

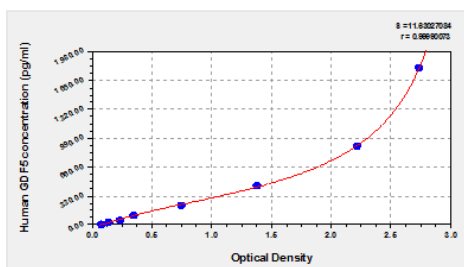
PRODUCT SYNONYMS

growth differentiation factor 5; Human Growth/differentiation factor 5; GDF5 ELISA Kit; Human Growth/differentiation factor 5 (GDF5) ELISA kit; BMP14; CDMP1; LAP4; OS5; SYNS2; OTTHUMP00000030755; cartilage-derived morphogenetic protein-1; GDF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GDF11. No significant cross-reactivity or interference between human GDF11 and analogues was observed.
Sequence Length	501
Samples	Serum, Plasma, Tissue Homogenates
Assay Type	Quantitative Sandwich
Detection Range	28 pg/ml-1800 pg/ml
Sensitivity	7 pg/ml.
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 GDF5 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GDF11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GDF11 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GDF11 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 GDF11 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 #	611435007
NCBI GeneID	8200
NCBI Accession #	NP_000548.2
NCBI GenBank Nucleotide #	NM_000557.4
UniProt Accession #	P43026; Q96SB1; E1P5Q2
Molecular Weight	55,411 Da
NCBI Official Full Name	growth/differentiation factor 5 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 5
NCBI Official Symbol	GDF5
NCBI Official Synonym Symbols	OS5; LAP4; BDA1C; BMP14; CDMP1; LAP-4; SYM1B; SYNS2; BMP-14
NCBI Protein Information	growth/differentiation factor 5; CDMP-1; radotermis; LPS-associated protein 4; bone morphogenetic protein 14; lipopolysaccharide-associated protein 4; cartilage-derived morphogenetic protein-1
UniProt Protein Name	Growth/differentiation factor 5
UniProt Gene Name	GDF5
UniProt Synonym Gene Names	BMP14; CDMP1; GDF-5; BMP-14; CDMP-1; LAP-4; LPS-associated protein 4
UniProt Entry Name	GDF5_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/gdf5-human-elisa-kits/growth-differentiation-factor-5/112550>