

Human GDF11 ELISA Kit | GDF11 elisa kit

Human GDF11 (Growth Differentiation Factor 11) ELISA Kit

CATALOG #
AAA21489

REACTIVITY
Human

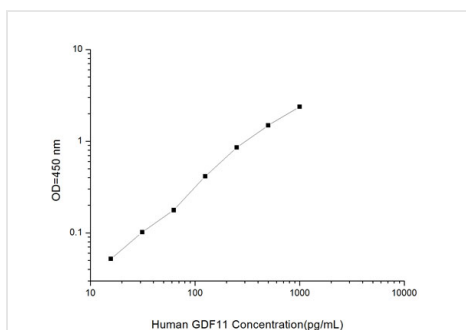
PRODUCT SYNONYMS

GDF11; Human GDF11 (Growth Differentiation Factor 11) ELISA Kit; GDF11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human GDF10 in samples. No significant cross-reactivity or interference between Human GDF10 and analogues was observed.
Sequence Length	407
Samples	Serum, Plasma And Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	18.75pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human GDF10 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 GDF10 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF11 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human GDF10 concentrations in serum, plasma and other biological fluids. 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 GDF10. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human GDF10 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 GDF10, 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 nm +/- 2 nm. The OD value is proportional to the concentration of Human GDF10. You can calculate the concentration of Human GDF10 in the samples by comparing the OD of the samples to the standard curve.
References	Effects of Age, Diabetes, and Vascular Disease on Growth Differentiation Factor 11: First-in-Human Study. Gian Paolo Fadini, Lisa Menegazzo, Benedetta Maria Bonora, Marta Mazzucato, Sara Persano, Saula Vigili de Kreutzenberg and Angelo Avogaro (2015)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031613
NCBI GeneID	10220
NCBI Accession #	NP_005802.1
NCBI GenBank Nucleotide #	NM_005811.3
UniProt Accession #	O95390; Q9UID1; Q9UID2
Molecular Weight	45,091 Da
NCBI Official Full Name	growth/differentiation factor 11
NCBI Official Synonym Full Names	growth differentiation factor 11
NCBI Official Symbol	GDF11
NCBI Official Synonym Symbols	BMP11; BMP-11
NCBI Protein Information	growth/differentiation factor 11; GDF-11; bone morphogenetic protein 11
UniProt Protein Name	Growth/differentiation factor 11
UniProt Gene Name	GDF11
UniProt Synonym Gene Names	BMP11; GDF-11; BMP-11
UniProt Entry Name	GDF11_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/human-elisa-kits/gdf11/21489>