

Human Growth Differentiation Factor 11 (GDF11) RTU ELISA Kit | GDF11 rtu elisa kit

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CATALOG #
AAA70849

REACTIVITY
Human

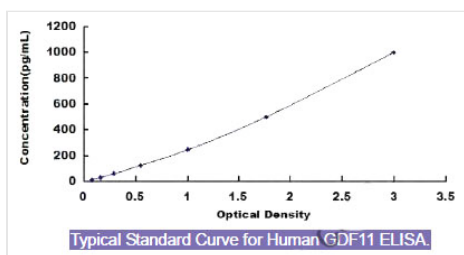
PRODUCT SYNONYMS

Growth Differentiation Factor 11 (GDF11); Human Growth Differentiation Factor 11 (GDF11) ELISA Kit; BMP11; Bone morphogenetic protein 11; GDF11 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GDF11. No significant cross-reactivity or interference between GDF11 and analogues was observed.
Sequence Length	407
Samples	Human Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1000pg/mL
Sensitivity	5.5pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GDF11 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 GDF11 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF11 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of GDF11 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GDF11. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GDF11. 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 GDF11, 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 GDF11 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5031613
NCBI GeneID	10220
NCBI Accession #	NP_005802.1
NCBI GenBank Nucleotide #	NM_005811.4
UniProt Accession #	O95390; Q9UID1; Q9UID2
Molecular Weight	45,091 Da
NCBI Official Full Name	growth/differentiation factor 11 preproprotein
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
UniProt Protein Name	Growth/differentiation factor 11
UniProt Gene Name	GDF11
UniProt Synonym Gene Names	; BMP-11

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-rtu-elisa-kits/growth-differentiation-factor-11-gdf11/70849>