

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

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CATALOG #
AAA43061

REACTIVITY
Human

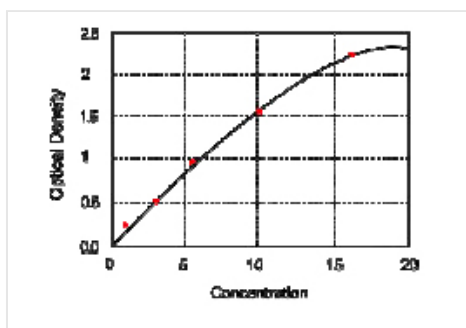
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	407
Samples	Serum, Plasma, Cell Culture Supernates, Cell Lysates, Tissue Homogenates
Assay Type	Quantitative Sandwich
Detection Range	1ng/ml-350ng/ml
Sensitivity	0.52ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF11 elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of Human Granulocyte-Macrophage Colony Stimulating Factor (also known as GM-CSF) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates. Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human GM-CSF antibody. GM-CSF present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human GM-CSF Antibody is added and binds to GM-CSF in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated GM-CSF antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human GM-CSF. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.
References	Alteration of plasma gdf-11 levels in type 2 diabetes patients with cardiovascular complications: A pilot study. Ramu Adela, P Naveen Chander Reddy, Sanjay K Banerjee (2015)

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	BMP111 PublicationManual assertion based on opinion iniRef.1; GDF-11; 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.