

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

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CATALOG #
AAA138268

REACTIVITY
Rat

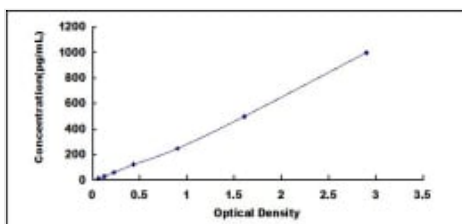
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Growth Differentiation Factor 11 (GDF11). No significant cross-reactivity or interference between Growth Differentiation Factor 11 (GDF11) and analogues was observed.
Sequence Length	407
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	5.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Growth Differentiation Factor 11 (GDF11) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Growth Differentiation Factor 11 (GDF11) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF11 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Growth Differentiation Factor 11 (GDF11). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Growth Differentiation Factor 11 (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 Growth Differentiation Factor 11 (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 Growth Differentiation Factor 11 (GDF11) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GDF11 elisa kit	Cytokine; Neuroscience; Ophthalmology & Otorhinolaryngology; Developmental science; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	119617237
NCBI GeneID	10220
UniProt Accession #	O95390; Q9UID1; Q9UID2
Molecular Weight	45,091 Da
NCBI Official Full Name	growth differentiation factor 11, isoform CRA_a
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	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://www.aaabiotech.com/rat-elisa-kits/growth-differentiation-factor-11-gdf11/138268>