

Human Growth Differentiation Factor 6 ELISA Kit | GDF6 elisa kit

Human Growth Differentiation Factor 6 ELISA Kit

CATALOG #
AAA100730

REACTIVITY
Human

PRODUCT SYNONYMS

Growth Differentiation Factor 6; Human Growth Differentiation Factor 6 ELISA Kit; GDF6/BMP-13/BMP13/CDMP2/GDF16/GDF-6/growth differentiation factor 6/Growth/differentiation factor 16/growth/differentiation factor 6/KFS/KFS1/KFSL/MCOP4/MCOPCB6/MGC158100/MGC158101/SCDO4/SGM1; GDF6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GDF6. No significant cross-reactivity or interference between GDF6 and analogues was observed.
Sequence Length	455
Assay Type	Sandwich ELISA, Double Antibody
Samples	cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GDF6 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GDF6 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a GDF6 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.026	0.138	0.227	0.357	0.756	1.543	2.368	3.444

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF6 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-GDF6 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- GDF6 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the GDF6 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of GDF6 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119612153
NCBI GeneID	392255
Molecular Weight	50,662 Da
NCBI Official Full Name	growth differentiation factor 6, partial
NCBI Official Synonym Full Names	growth differentiation factor 6
NCBI Official Symbol	GDF6
NCBI Official Synonym Symbols	KFM; KFS; KFS1; KFSL; SGM1; BMP13; CDMP2; LCA17; MCOP4; SCDO4; BMP-13; MCOPCB6
NCBI Protein Information	growth/differentiation factor 6
UniProt Protein Name	Growth/differentiation factor 6
UniProt Gene Name	GDF6
UniProt Synonym Gene Names	BMP13; GDF16; GDF-6; BMP-13
UniProt Entry Name	GDF6_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/gdf6-human-elisa-kits/growth-differentiation-factor-6/100730>