

Mouse Growth Differentiation Factor 3 ELISA Kit | GDF3 elisa kit

Mouse Growth Differentiation Factor 3 ELISA Kit

CATALOG #
AAA101791

REACTIVITY
Mouse

PRODUCT SYNONYMS

Growth Differentiation Factor 3; Mouse Growth Differentiation Factor 3 ELISA Kit; GDF3/Vgr-2/GDF-3/growth differentiation factor 3/growth/differentiation factor 3/KFS3/MCOP7/MCOPCB6; GDF3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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	364
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/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<8%
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<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 operation of a GDF3 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	pg/ml	0	78.125	156.25	312.5	625	1250	2500	5000
Y	OD450	0.198	0.517	0.805	1.142	1.462	1.959	2.309	2.681

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF3 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-GDF11 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-GDF11 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 GDF11 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of GDF11 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9652072
Molecular Weight	41,387 Da
NCBI Official Full Name	growth differentiation factor 3
UniProt Protein Name	Growth/differentiation factor 3
UniProt Gene Name	GDF3
UniProt Synonym Gene Names	GDF-3
UniProt Entry Name	GDF3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/gdf3-mouse-elisa-kits/growth-differentiation-factor-3/101791>