

Mouse Growth Differentiation Factor 10 ELISA Kit | GDF10 elisa kit

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CATALOG #
AAA98861

REACTIVITY
Mouse

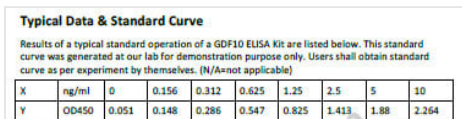
PRODUCT SYNONYMS

Growth Differentiation Factor 10; Mouse Growth Differentiation Factor 10 ELISA Kit; BMP-3b/GDF10 (Bone morphogenetic protein 3B)/GDF-10/BIP/BMP3B/bone morphogenetic protein 3B/Bone-inducing protein/growth differentiation factor 10; GDF10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GDF10. No significant cross-reactivity or interference between GDF10 and analogues was observed.
Sequence Length	478
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 GDF10 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 GDF10 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



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF10 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-GDF10 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- GDF10 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin 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 GDF10 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of GDF10 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119571046
NCBI GeneID	2662
Molecular Weight	53,122 Da
NCBI Official Full Name	growth differentiation factor 10
NCBI Official Synonym Full Names	growth differentiation factor 10
NCBI Official Symbol	GDF10
NCBI Official Synonym Symbols	BMP3B; BMP-3b
NCBI Protein Information	growth/differentiation factor 10
UniProt Protein Name	Growth/differentiation factor 10
UniProt Gene Name	GDF10
UniProt Synonym Gene Names	GDF-10; BMP-3B; BIP
UniProt Entry Name	GDF10_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://stage.aaabiotech.com/gdf10-mouse-elisa-kits/growth-differentiation-factor-10/98861>