

Mouse Glial Cell Line Derived Neurotrophic Factor (GDNF) ELISA Kit | GDNF elisa kit

Mouse Glial Cell Line Derived Neurotrophic Factor (GDNF) Mini Samples ELISA Kit

CATALOG #
AAA148994

REACTIVITY
Mouse

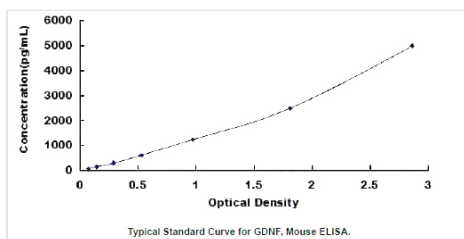
PRODUCT SYNONYMS

Glial Cell Line Derived Neurotrophic Factor (GDNF); Mouse Glial Cell Line Derived Neurotrophic Factor (GDNF) Mini Samples ELISA Kit; ATF1; ATF2; HFB1-GDNF; Astrocyte-Derived Trophic Factor; Glial Derived Neurotrophic Factor; GDNF 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	214
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	29pg/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<10%
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<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 GDNF elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GDF11 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GDF11. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 GDF11 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GDNF elisa kit	Cytokine; Apoptosis; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	672349281
NCBI GeneID	14573
NCBI Accession #	NP_001288261.1
NCBI GenBank Nucleotide #	NM_001301332.1
UniProt Accession #	P48540; O09058; P70446; P97919; P97920; Q6LEL9
Molecular Weight	23,735 Da
NCBI Official Full Name	glial cell line-derived neurotrophic factor isoform 2
NCBI Official Synonym Full Names	glial cell line derived neurotrophic factor
NCBI Official Symbol	Gdnf
NCBI Official Synonym Symbols	ATF; AI385739
NCBI Protein Information	glial cell line-derived neurotrophic factor
UniProt Protein Name	Glial cell line-derived neurotrophic factor
UniProt Gene Name	Gdnf
UniProt Synonym Gene Names	mGDNF; ATF

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/mouse-elisa-kits/glial-cell-line-derived-neurotrophic-factor-gdnf/148994>