

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 # AAA188633	REACTIVITY Mouse	APPLICATIONS ELISA
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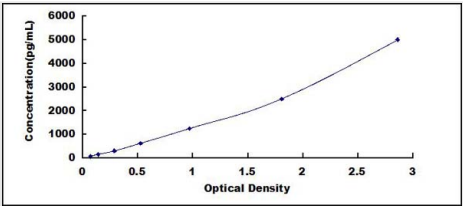
PRODUCT SYNONYMS

Glial Cell Line Derived Neurotrophic Factor (GDNF); Mouse Glial Cell Line Derived Neurotrophic Factor (GDNF) Mini Samples ELISA Kit; Glial Cell Line Derived Neurotrophic Factor; 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 Mini Samples Glial Cell Line Derived Neurotrophic Factor (GDNF). No significant cross-reactivity or interference between Mini Samples Glial Cell Line Derived Neurotrophic Factor (GDNF) and analogues was observed.
Sequence Length	214
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cerebrospinal fluid, cell culture supernates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 29pg/mL
Applicable Applications for GDNF elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Glial Cell Line Derived Neurotrophic Factor (GDNF) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Glial Cell Line Derived Neurotrophic Factor (GDNF) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	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 Mini Samples Glial Cell Line Derived Neurotrophic Factor (GDNF). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Glial Cell Line Derived Neurotrophic Factor (GDNF). 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 Mini Samples Glial Cell Line Derived Neurotrophic Factor (GDNF), 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 Mini Samples Glial Cell Line Derived Neurotrophic Factor (GDNF) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	672349281
NCBI GeneID	14573
NCBI Accession #	NP_001288261.1
NCBI GenBank Nucleotide #	NP_001288261.1
UniProt Accession #	P48540
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
UniProt Entry Name	GDNF_MOUSE

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://stage.aaabiotech.com/mouse-elisa-kits/glial-cell-line-derived-neurotrophic-factor-gdnf/188633>