

Human Glial Cell Line Derived Neurotrophic Factor (GDNF) CLIA Kit | GDNF clia kit

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CATALOG #
AAA130486

REACTIVITY
Human

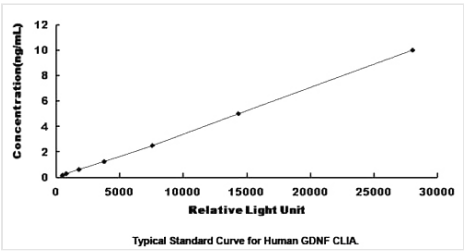
PRODUCT SYNONYMS

Glial Cell Line Derived Neurotrophic Factor (GDNF); Human Glial Cell Line Derived Neurotrophic Factor (GDNF) CLIA Kit; ATF1; ATF2; HFB1-GDNF; Astrocyte-Derived Trophic Factor; Glial Derived Neurotrophic Factor; GDNF clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Glial Cell Line Derived Neurotrophic Factor (GDNF). No significant cross-reactivity or interference between Glial Cell Line Derived Neurotrophic Factor (GDNF) and analogues was observed.
Sequence Length	202
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	4.9pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level 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 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%
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 clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Glial Cell Line Derived Neurotrophic Factor (GDNF). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Glial Cell Line Derived Neurotrophic Factor (GDNF). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Glial Cell Line Derived Neurotrophic Factor (GDNF) level in the sample or standard.;
Product Categories/Family for GDNF clia kit	Cytokine; Apoptosis; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	299473781
NCBI GeneID	2668
NCBI Accession #	NP_001177398.1
NCBI GenBank Nucleotide #	NM_001190469.1
UniProt Accession #	P39905; O95448; O95449; O95986; Q6FH33; Q96L44; Q9UD32; Q9UD33; Q9UMV2; Q9UP67; Q9UP97; B7WPK7 ; AAB33493; AAB33494
Molecular Weight	18,123 Da
NCBI Official Full Name	glial cell line-derived neurotrophic factor isoform 4 preproprotein
NCBI Official Synonym Full Names	glial cell derived neurotrophic factor
NCBI Official Symbol	GDNF
NCBI Official Synonym Symbols	ATF1; ATF2; HSCR3; HFB1-GDNF
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	hGDNF; ATF
UniProt Entry Name	GDNF_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.