

Mouse GDNF ELISA Kit | GDNF elisa kit

Mouse GDNF PicoKine Fast ELISA Kit

CATALOG #
AAA125354

REACTIVITY
Mouse

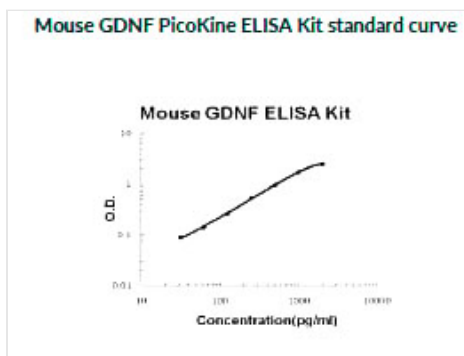
PRODUCT SYNONYMS

GDNF; Mouse GDNF PicoKine Fast ELISA Kit; Mouse GDNF; Glial cell line-derived neurotrophic factor; mGDNF; Astrocyte-derived trophic factor; ATF; Gdnf; GDNF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Gdnf
Sequence Length	214
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDNF elisa kit	Principle of the Assay: The Picokine™ Mouse Gdnf Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Gdnf with a 96-well strip plate that is pre-coated with antibody specific for Gdnf. The detection antibody is a biotinylated antibody specific for Gdnf. The capture antibody is polyclonal antibody from goat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Gdnf with immunogen: Expression system for standard: sf21; Immunogen sequence: S78-I211. The kit is analytically validated with ready to use reagents. To measure Mouse Gdnf, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Mouse Gdnf in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Gdnf in the sample.!!Background/Introduction: Glial cell line-derived neurotrophic factor(GDNF) is a glycosylated, disulfide-bonded homodimer that is a distantly related member of the transforming growth factor-beta superfamily.1 GDNF, is a potent neurotrophic factor that promotes the survival of dopaminergic neurones in cultures including embryonic neuronal cultures.2 GDNF, in addition to its potential role in the differentiation and survival of central nervous system neurons, has profound effects on kidney organogenesis and the development of the peripheral nervous system.3 GDNF may have utility in the treatment of Parkinson's disease, which is marked by progressive degeneration of midbrain dopaminergic neurons.
--	---

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.