

Rat Glial Cell Line Derived Neurotrophic Factor ELISA Kit | GDNF elisa kit

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CATALOG #
AAA99870

REACTIVITY
Rat

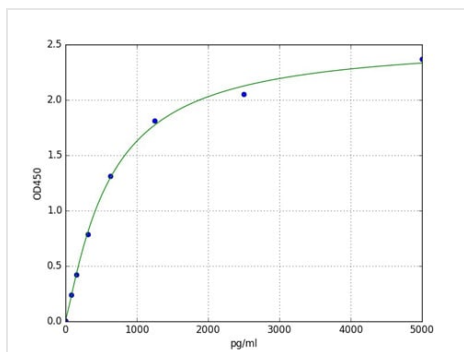
PRODUCT SYNONYMS

Glial Cell Line Derived Neurotrophic Factor; Rat Glial Cell Line Derived Neurotrophic Factor ELISA Kit; GDNF/Astrocyte-derived trophic factor/ATF/ATF1/ATF2/glial cell derived neurotrophic factor/glial cell line derived neurotrophic factor/glial cell line-derived neurotrophic factor/HFB1-GDNF/hGDNF/HSCR3; GDNF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	202
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	4.688-300pg/ml
Sensitivity	2.813pg/ml
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



Typical Data & Standard Curve

Results of a typical standard run of a Rat GDNF ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.042	0.367	0.625	0.979	1.348	2.056	2.001	2.870

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDNF elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	299473781
NCBI GeneID	2668
NCBI Accession #	NP_001177398.1
NCBI GenBank Nucleotide #	NM_001190469.1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gdnf-rat-elisa-kits/glial-cell-line-derived-neurotrophic-factor/99870>