

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

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CATALOG #
AAA87799

REACTIVITY
Rabbit

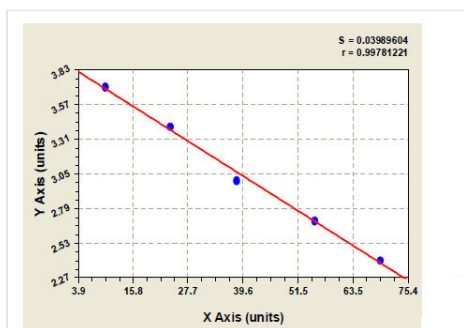
PRODUCT SYNONYMS

Glial Cell Line Derived Neurotrophic Factor; Rabbit Glial Cell Line Derived Neurotrophic Factor ELISA Kit; GDNF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for GDNF elisa kit

Intended Uses: This GDNF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit GDNF. This ELISA kit for research use only!

Principle of the Assay||GDNF ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDNF antibody and an GDNF-HRP conjugate. The assay sample and buffer are incubated together with GDNF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GDNF concentration since GDNF from samples and GDNF-HRP conjugate compete for the anti-GDNF antibody binding site. Since the number of sites is limited, as more sites are occupied by GDNF from the sample, fewer sites are left to bind GDNF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDNF concentration in each sample is interpolated from this standard curve.

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; ATF; astrocyte-derived trophic 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.

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Online datasheet: <https://stage.aaabiotech.com/gdnf-rabbit-elisa-kits/glial-cell-line-derived-neurotrophic-factor/87799>