

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

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CATALOG #
AAA90977

REACTIVITY
Sheep

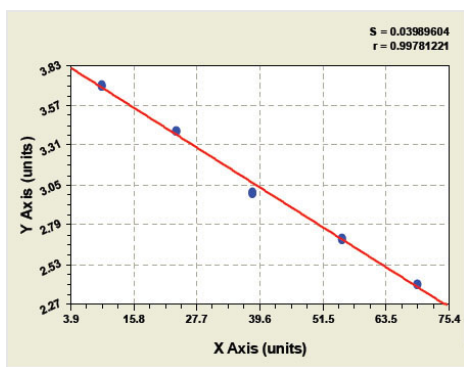
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This GDNF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep GDNF. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDNF elisa kit

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.

Product Categories/Family for GDNF elisa kit

Neurobiology

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-sheep-elisa-kits/glial-cell-line-derived-neurotrophic-factor/90977>