

Monkey BDNF ELISA Kit | BDNF elisa kit

BDNF Monkey ELISA Kit

CATALOG #
AAA59139

REACTIVITY
Monkey

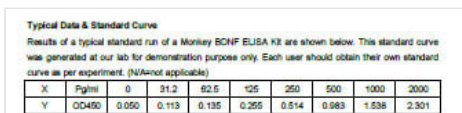
PRODUCT SYNONYMS

BDNF; BDNF Monkey ELISA Kit; Monkey BDNF; BDNF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Sequence Length	248
Samples	Monkey serum, plasma, body fluids, tissue lysates or cell culture supernatants
Detection Range	31.2 pg/ml-2000 pg/ml
Sensitivity	< 10 pg/ml
Preparation and Storage	Store at 2-8 degree C for 6 months, or at -20 degree C for 12 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BDNF elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-BDNF polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-BDNF polyclonal 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. Avidin-Biotin-Peroxidase Complex 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 BDNF amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of BDNF can be calculated.

Background: Brain-derived neurotrophic factor, also known as BDNF, is a prosurvival factor induced by cortical neurons that is necessary for survival of striatal neurons in the brain. BDNF is a member of the "neurotrophin" family of growth factors, which are related to the NGF. It acts on certain neurons of the central nervous system and the peripheral nervous system, helping to support the survival of existing neurons, and encourage the growth and differentiation of new neurons and synapses. In the brain, it is active in the hippocampus, cortex, and basal forebrain—areas vital to learning, memory, and higher thinking. Post mortem analysis has shown lowered levels of BDNF in the brain tissues of people with Alzheimer's disease.

NCBI AND UNIPROT INFORMATION

NCBI GI #	262342369
Molecular Weight	27,051 Da

NCBI Official Full Name	BDNF, partial
UniProt Protein Name	Brain-derived neurotrophic factor
UniProt Gene Name	BDNF
UniProt Synonym Gene Names	BDNF

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/monkey-elisa-kits/bdnf/59139>