Mouse Brain Derived Neurotrophic Factor (BDNF) ELISA Kit | BDNF elisa kit

Mouse Brain Derived Neurotrophic Factor (BDNF) Mini Samples ELISA Kit

CATALOG #	REACTIVITY	APPLICATIONS
AAA188629	**Mouse**	**ELISA**

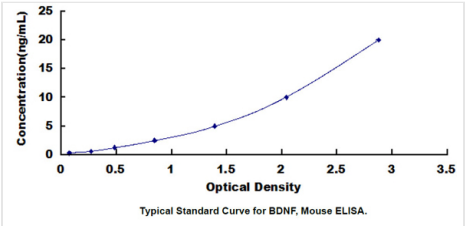
PRODUCT SYNONYMS

Brain Derived Neurotrophic Factor (BDNF); Mouse Brain Derived Neurotrophic Factor (BDNF) Mini Samples ELISA Kit; Brain Derived Neurotrophic Factor; Neurotrophin; Abrineurin; BDNF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of BDNF. No significant cross-reactivity or interference between BDNF and analogues was observed.
Sequence Length	249
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.113ng/mL
Applicable Applications for BDNF elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BDNF were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level BDNF were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BDNF elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to BDNF. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to BDNF. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain BDNF, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of BDNF in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BDNF in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	114901
NCBI GeneID	12064
UniProt Accession #	P21237
NCBI Official Full Name	Brain-derived neurotrophic factor
NCBI Official Synonym Full Names	brain derived neurotrophic factor
NCBI Official Symbol	Bdnf
NCBI Protein Information	brain-derived neurotrophic factor
UniProt Protein Name	Brain-derived neurotrophic factor
UniProt Gene Name	**Bdnf**
UniProt Synonym Gene Names	BDNF
UniProt Entry Name	BDNF_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.

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Online datasheet: https://www.aaabiotech.com/mouse-elisa-kits/brain-derived-neurotrophic-factor-bdnf/188629