

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

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CATALOG #
AAA182454

REACTIVITY
Guinea Pig

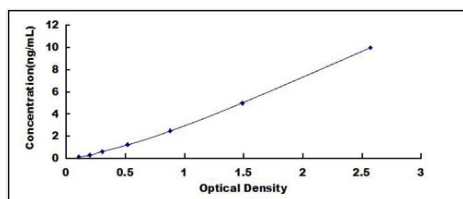
PRODUCT SYNONYMS

Brain Derived Neurotrophic Factor (BDNF); Guinea pig Brain Derived Neurotrophic Factor (BDNF) ELISA Kit; Neurotrophin; Abreineurin; BDNF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of Brain Derived Neurotrophic Factor (BDNF). No significant cross-reactivity or interference between Brain Derived Neurotrophic Factor (BDNF) and analogues was observed.
Sequence Length	246
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Brain Derived Neurotrophic Factor (BDNF) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Brain Derived Neurotrophic Factor (BDNF) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Brain Derived Neurotrophic Factor (BDNF). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Brain Derived Neurotrophic Factor (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 Brain Derived Neurotrophic Factor (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 Brain Derived Neurotrophic Factor (BDNF) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71384185
NCBI GeneID	396186
UniProt Accession #	P25429; Q45N27
Molecular Weight	27,715 Da
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

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/guinea-pig-pig-elisa-kits/brain-derived-neurotrophic-factor-bdnf/182454>