

Rat Brain-derived neurotrophic factor ELISA Kit | Bdnf elisa kit

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CATALOG #
AAA195195

REACTIVITY
Rat

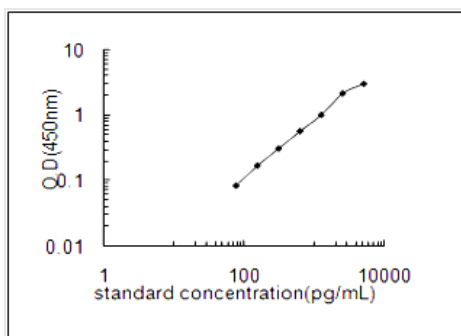
PRODUCT SYNONYMS

Brain-derived neurotrophic factor; Rat Brain-derived neurotrophic factor ELISA Kit; BDNF; Bdnf; Bdnf elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat BDNF. No significant cross-reactivity or interference was observed.
Sequence Length	362
Assay Type	Sandwich
Detection Range	78-5000 pg/mL
Sensitivity	39 pg/mL
Intra-Assay CV	<=6.2%
Inter-Assay CV	<=10.5%
Recovery	111%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Bdnf elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat brain-derived neurotrophic factor,BDNF concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BDNF. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for BDNF and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. 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 a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of 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 #	397174764
NCBI GeneID	24225
NCBI Accession #	NP_001257559.1
NCBI GenBank Nucleotide #	NM_001270630.1
UniProt Accession #	P23363; Q53YL8
Molecular Weight	28,109 Da
NCBI Official Full Name	brain-derived neurotrophic factor isoform 1
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_RAT

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/bdnf-rat-elisa-kits/brain-derived-neurotrophic-factor/195195>