

# Product Datasheet

## Mouse BDNF ELISA Kit (Colorimetric) KA0331

Unit Size: 1 Kit

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**KA0331****Mouse BDNF ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

<b>Product Description</b>	
<b>Description</b>	Bdnf (Mouse) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of mouse Bdnf.
<b>Gene ID</b>	627
<b>Gene Symbol</b>	BDNF
<b>Species</b>	Mouse
<b>Kit Components</b>	96-well Plate precoated with anti-mouse BDNF antibody, Lyophilized recombinant mouse BDNF standard, Biotinylated anti- mouse BDNF antibody (dilution 1:100), Avidin-Biotin-Peroxidase Complex (ABC) (dilution 1:100), Sample diluent buffer, Antibody diluent buffer, ABC diluent buffer, TMB color developing agent, TMB stop solution, Adhesive cover
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	31.2 to 2000 pg/mL
<b>Sensitivity</b>	2 pg/mL
<b>Inter Assay</b>	CV% < 7.2%
<b>Intra Assay</b>	CV% < 3.7%
<b>Assay Type</b>	Sandwich ELISA
<b>Suitable Sample Type</b>	Cell Culture Supernatant, Cell Lysates, Plasma (Citrate, EDTA, Heparin), Serum
<b>Sample Volume</b>	100 uL

<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Sandwich ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Sandwich ELISA, Quantification



## Publications

Badmus OO, Kipp ZA, Bates EA et al. The loss of hepatic PPAR $\alpha$  in mice causes hypertension and cardiovascular disease American journal of physiology. Regulatory, integrative and comparative physiology 2023-05-22 [PMID: 37212551] (ELISA)

Mohit K, Sahabuddin A, Basveshwar G et al. Hesperidin alleviates chronic restraint stress and lipopolysaccharide-induced Hippocampus and Frontal cortex damage in mice: Role of TLR4/NF- $\kappa$ B, p38 MAPK/JNK, Nrf2/ARE signaling. Neurochem Int. 2020-08-24 [PMID: 32853749]

Shamsudheen M, Michael B, David T et al. Glycogen synthase kinase-3 inhibition rescues sex-dependent contextual fear memory deficit in HIV-1 transgenic mice. Br J Pharmacol. 2020-11-23 [PMID: 33080056]

Shirin B, Nora A, Shyama N et al. Phosphodiesterase 10A Inhibition Leads to Brain Region-Specific Recovery Based on Stroke Type. Transl Stroke Res. 2020-05-06 [PMID: 32378029]

Wu C, Chen C, Hung T et al. Activation of TrkB/Akt signaling by a TrkB receptor agonist improves long-term histological and functional outcomes in experimental intracerebral hemorrhage. J Biomed Sci. 2019-07-15 [PMID: 31307481]

Laio T, Chen C, Tsou H et al. Acute and Chronic Exposure of Toluene Induces Genotoxicity in Different Regions of the Brain in Normal and Allergic Mouse Models. Neurotox Res. 2019-03-19 [PMID: 30888611]

Mukesh V, Nancy Y, Shintaro K et al. Motor function deficits in the estrogen receptor beta knockout mouse: Role on excitatory neurotransmission and myelination in the motor cortex. Neuroendocrinology. 2020-01-28 [PMID: 31991411]

Alessia D, Laura M, Francesca G et al. Palmitoylethanolamide Modulation of Microglia Activation: Characterization of Mechanisms of Action and Implication for Its Neuroprotective Effects. Int J Mol Sci. 2021-03-17 [PMID: 33802689]

A Bodur, ? ?nce, C Kahraman, ? Abidin, S Aydin-Abid, A Alver Chronically reduced BDNF levels increase oxidative stress in epididymal, but not subcutaneous, adipose tissue following high sucrose and high fat diets fed mice Arch. Biochem. Biophys., 2019-02-21;0(0):. 2019-02-21 [PMID: 30797748]

Yue Y, Xue Q, Yang J et al. Wnt-activated olfactory ensheathing cells stimulate neural stem cell proliferation and neuronal differentiation Brain Res. 2020-02-10 [PMID: 32057808] (ELISA, Mouse)

Zhang H, Zhang C, Vincent J et al. Modulation of AMPA receptor surface diffusion restores hippocampal plasticity and memory in Huntington's disease models. Nat Commun. 2018-10-15 [PMID: 30323233]

Harris NM, Ritzel R, Mancini N et al. Nano-particle delivery of brain derived neurotrophic factor after focal cerebral ischemia reduces tissue injury and enhances behavioral recovery. Pharmacol Biochem Behav 2016-09-09 [PMID: 27619636]

More publications at <http://www.novusbio.com/KA0331>



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### **Products Related to KA0331**

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NBP2-52006-0.1mg	Recombinant Human BDNF His Protein
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]
248-BDB-050	BDNF [Unconjugated]
212-GD-010	GDNF [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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