

Equine Brain Derived Neurotrophic Factor (BDNF) ELISA Kit-Sandwich

Cat. No.: EK12F897

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Equine Brain Derived Neurotrophic Factor (BDNF) ELISA Kit-Sandwich is designed for the quantitative determination of Equine Brain Derived Neurotrophic Factor (BDNF) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Equine BDNF.
Target Species	Equine
Species Reactivity	Equine
Detection Range	31.25-2000 pg/mL
Sensitivity	18.75 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 270 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Brain Derived Neurotrophic Factor is encoded by the *BDNF* gene in horses. BDNF is a member of the neurotrophin family that exerts its effects through neurotrophic tyrosine receptor kinase type 2. BDNF plays a crucial role in promoting neuronal survival, growth, and differentiation. Research has shown that BDNF and Ntrk2 are transcribed, translated, and conserved across mammalian species, including humans, mice, rats, pigs, horses, and bats.

Target/Biomarker	Equine BDNF
Target Synonym	BDNF; Brain Derived Neurotrophic Factor; ANON2; BULN2; Abrineurin; neurotrophin
Gene ID	100009689
UniProt ID	Q0EAB7

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

Reference

Wessels, J. M. *et al.* The brain-uterus connection: brain derived neurotrophic factor (BDNF) and its receptor (Ntrk2) are conserved in the mammalian uterus. *PloS one*. 2014, 9: e94036.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.