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**Antibody to Human Brain-Derived Neurotrophic Factor
MOUSE MONOCLONAL**

Catalog Number: PRP-128ANT
Quantity: 500 micrograms, 1 milligram
Format: Lyophilized
Host: Mouse
Isotype: IgG
Clone: NYRhBDNF
Immunogen: r.Human BDNF

Background:

BDNF promotes the survival of neuronal populations in the central nervous system or those populations directly connected to it. It is a major regulator of synaptic transmission and plasticity at adult synapses. The versatility of BDNF is emphasized by its contribution to a range of adaptive neuronal responses including long-term potentiation, long-term depression, certain forms of short-term synaptic plasticity, as well as homeostatic regulation of intrinsic neuronal excitability.

Specificity and Preparation:

Mouse anti-human brain-derived neurotrophic factor (BDNF) is purified by ion exchange chromatography. The protein concentration is 1 mg/ml in PBS after reconstitution.

Usage and Storage:

Reported to be effective for direct ELISA, western blot, immunoprecipitation, and immunohistochemistry. Titer: By direct ELISA, 1:10,000 dilution will yield 0.4 O.D using alkaline phosphatase conjugated rabbit anti-mouse Ig (Jackson Laboratories). Reconstitute with sterile H₂O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. In lyophilized form, for long periods, store at 4°C in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Antibody is stable for two years lyophilized, one month in solution at 4°C. Antibody is shipped lyophilized at ambient temperature. This material is provided for LABORATORY RESEARCH USE ONLY.

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