

## Human Brain Derived Neurotrophic Factor Monoclonal Antibody

### ORDERING INFORMATION

**Catalog Nos.:** 50170-500 (500ug) and 50170-1000 (1000ug)

**Format:** Lyophilized at 1mg/ml in PBS.

### BACKGROUND

Brain Derived Neurotrophic Factor (BDNF) is a member of the nerve growth factor family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protein. Binding of this protein to its cognate receptor promotes neuronal survival in the adult brain. Expression of this gene is reduced in Alzheimer's, Parkinson's, and Huntington's disease patients. This gene may play a role in the regulation of the stress response and in the biology of mood disorders.

### SPECIFICATION SUMMARY

**Antigen:** Recombinant human BDNF.

**Host Species:** Mouse

**Antibody Class:** IgG

**Clone No.:** NYRhBDNF

**Gene ID:** 627

**Accession no.:** P23560

### APPLICATIONS

**ELISA:** use at 0.1-1ug/ml with BDNF on the solid phase. These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

### RECONSTITUTION INSTRUCTIONS

Reconstitute with sterile H<sub>2</sub>O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

### STORAGE AND STABILITY

Lyophilized product is stable at 4°C in a dry environment. After reconstitution, store at -20°C. Avoid multiple freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*