

Mouse BDNF protein, His tag

Cat. No. GTX00322-pro

实验应用 Functional Assay

Speciess Mouse

Package

10 µg

实验应用

应用说明

Brain-derived neurotrophic factor, also known as BDNF, is a member of the neurotrophin family of growth factors, which are related to the canonical Nerve Growth Factor. BDNF acts on certain neurons of the central nervous system and the peripheral nervous system, helping to support the survival of existing neurons, and encourage the growth and differentiation of new neurons and synapses. Besides, Amyloid Precursor Protein (APP) has been identified as an interactor of BDNF, thus a binding ELISA assay was conducted to detect the interaction of recombinant mouse BDNF and recombinant mouse APP. Briefly, BDNF were diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to APP-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-BDNF pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50 µl stop solution to the wells and read at 450nm immediately. The binding activity of of BDNF and APP was in a dose dependent manner.

Observed MW 45 kDa.

属性

形式 Lyophilized powder

存储溶液 Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose.

保存剂 ProClin 300

存放说明 For short-term storage (1-2 weeks), store at 4°C. For long-term storage, store at -20°C or below. After reconstitution, keep as concentrated solution. Avoid freeze-thaw cycles.

Region/Sequence N-terminal His-Tag; Glu139~Arg249 (NP_001041604.1)

表达系统 E. coli

纯度 > 90%

内毒素 < 1 EU/µg

偶联 Unconjugated

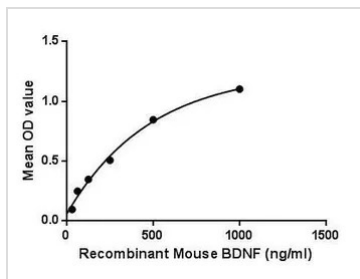
注意事项 For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.



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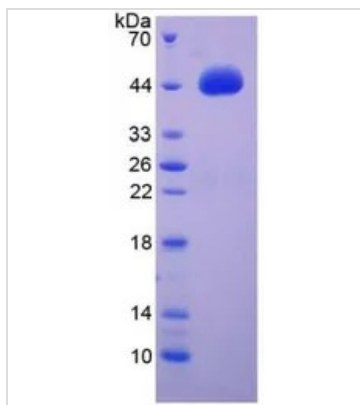
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產品圖片



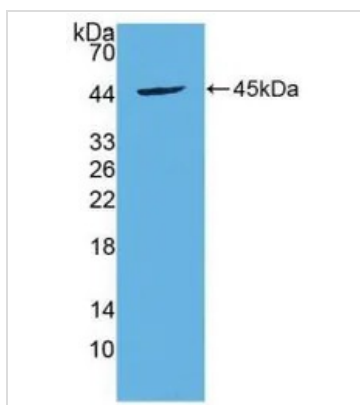
GTx00322-pro Functional Assay Image

Functional ELISA analysis of GTx00322-pro Mouse BDNF protein which can bind immobilized APP protein.



GTx00322-pro Image

SDS-PAGE analysis of GTx00322-pro Mouse BDNF protein.



GTx00322-pro Image

WB analysis of GTx00322-pro Mouse BDNF protein.



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