

# Rat BDNF (Brain Derived Neurotrophic Factor) ELISA Kit

## Catalog No: tcee4642



### Available Sizes

**Size:** 96T



### Specifications

**Research Area:**

Metabolism, Neuroscience, Cardiovascular, Cancer

**Species Reactivity:**

Rat

**Sample Type:**

serum, plasma and other biological fluids; 100μL

**Assay Type:**

Sandwich

**Sensitivity:**

18.75pg/mL

**Detection Range:**

31.25~2000pg/mL

**Assay Time:**

3.5h

**Detection Method:**

Sandwich-Ab

**Tested Application:**

ELISA

**Storage Instruction:**

An unopened kit can be stored at 4°C for 1 month. If the kit is not used within 1 month, store the items separately according to the detailed information on the manual once the kit is received

#### Alternative Names:

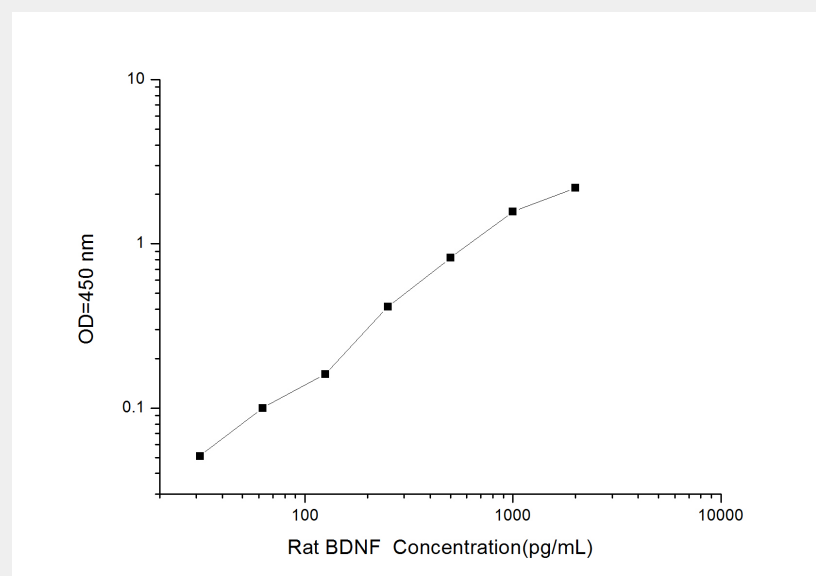
ANON2, BULN2

#### SwissProt:

P23363

### Product Description

This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat BDNF. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat BDNF and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat BDNF, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of  $450\text{ nm} \pm 2\text{ nm}$ . The OD value is proportional to the concentration of Rat BDNF. You can calculate the concentration of Rat BDNF in the samples by comparing the OD of the samples to the standard curve.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!