

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Rat ProBDNF(Pro Brain Derived Neurotrophic Factor) ELISA Kit EBT-ELK10948

Article Name	Rat ProBDNF(Pro Brain Derived Neurotrophic Factor) ELISA Kit
Biozol Catalog Number	EBT-ELK10948
Supplier Catalog Number	ELK10948
Alternative Catalog Number	EBT-ELK10948-96, EBT-ELK10948-96X5, EBT-ELK10948-48
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.071 ng/mL
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

## Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Cytokine, Infection immunity, Neuro science,. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat ProBDNF. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat ProBDNF. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Rat ProBDNF, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm 10nm. The concentration of Rat ProBDNF in the samples is then determined by comparing the OD of the samples to the standard curve