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Product Datasheet

Rat NEFL(Neurofilament, Light Polypeptide) ELISA Kit EBT-ELK0342

Article Name	Rat NEFL(Neurofilament, Light Polypeptide) ELISA Kit
Biozol Catalog Number	EBT-ELK0342
Supplier Catalog Number	ELK0342
Alternative Catalog Number	EBT-ELK0342-96, EBT-ELK0342-48, EBT-ELK0342-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	1000 pg/mL
Range	15.63-1000 pg/mL
Sensitivity	4.99 pg/mL
UniProt	P19527
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: Neuroscience,. 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 NEFL. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat NEFL. 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 NEFL, 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 NEFL in the samples is then determined by comparing the OD of the samples to the standard curve