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## Product Datasheet

### Rat Beta-Endorphin (beta-EP) ELISA Kit BYT-ORB1806812

Article Name	Rat Beta-Endorphin (beta-EP) ELISA Kit
Biozol Catalog Number	BYT-ORB1806812
Supplier Catalog Number	orb1806812
Alternative Catalog Number	BYT-ORB1806812-48,BYT-ORB1806812-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Rat
Product Description	Rat Beta-Endorphin (beta-EP) ELISA Kit...
Range	15.63-1000pg/mL
Sensitivity	9.38 pg/mL
Samples	serum, plasma, Tissue homogenate and Other biological samples
Target	bEP

Application Notes

Application Notes: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Rat beta-EP. During the reaction, Rat beta-EP in the sample or standard competes with a fixed amount of Rat beta-EP on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat beta-EP. Excess conjugate and unbound sample or standard are washed away, and Avidin-Horseradish Peroxidase (HRP) conjugate are added to each micro plate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns from blue to yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm  $\pm$  2 nm. The concentration of Rat beta-EP in tested samples can be calculated by comparing the OD of the samples to the standard curve