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## Product Datasheet

### Rat pro interleukin 1 beta (pro-IL1b) ELISA Kit EBT-ELK8404

Article Name	Rat pro interleukin 1 beta (pro-IL1b) ELISA Kit
Biozol Catalog Number	EBT-ELK8404
Supplier Catalog Number	ELK8404
Alternative Catalog Number	EBT-ELK8404-96,EBT-ELK8404-48,EBT-ELK8404-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	4000 pg/mL
Range	62.5-4000 pg/mL
Sensitivity	17.2 pg/mL
Samples	serum, plasma, tissue homogenates, cell lysates and other biological fluids

#### Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Cytokine, Tumor immunity, Infection immunity,. 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 pro-IL1b. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat pro-IL1b. 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 pro-IL1b, 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 pro-IL1b in the samples is then determined by comparing the OD of the samples to the standard curve