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## Product Datasheet

### Rat Prostaglandin F2 Alpha (PGF2alpha) ELISA Kit BYT-ORB1806821

Article Name	Rat Prostaglandin F2 Alpha (PGF2alpha) ELISA Kit
Biozol Catalog Number	BYT-ORB1806821
Supplier Catalog Number	orb1806821
Alternative Catalog Number	BYT-ORB1806821-48,BYT-ORB1806821-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Rat
Product Description	Rat Prostaglandin F2 Alpha (PGF2alpha) ELISA Kit...
Range	7.81-500pg/mL
Sensitivity	4.69 pg/mL
Samples	serum, plasma, Tissue homogenate and Other biological samples
Target	PGF2alpha

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 PGF2alpha. During the reaction, Rat PGF2alpha in the sample or standard competes with a fixed amount of Rat PGF2alpha on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat PGF2alpha. 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 PGF2alpha in tested samples can be calculated by comparing the OD of the samples to the standard curve