

## Rat E2 (Estradiol) ELISA kit

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This kit applies competitive inhibition ELISA method for the quantitative detection of E2 (Estradiol) in rat samples. The microtiter plate provided in this kit has been pre-coated with Rat E2 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat E2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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  $\pm$ 10nm. The concentration of Rat E2 in the samples is then determined by comparing the OD of the samples to the standard curve.

Catalog No.	3038714
Size	96-Wells
Product Category	ELISA (Quantitative)
Reactivity	Rat
Sample	Serum; Plasma; Tissue Homogenates; Cell Lysates; Cell Culture Supernates; Other Biological Fluids
Assay Method	Competitive Inhibition ELISA
Assay Duration	2 hours
Sensitivity	4.45 pg/mL
Standard Curve Range	15.63-1000 pg/mL
Storage/Stability	-20°C/1 year; 4°C/6 months