

Product Datasheet

Mouse Estradiol (E2) EasyStep ELISA Kit (orb1950180)

Catalog Number orb1950180

Description This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Mouse E2 antigen, and the Mouse E2 standard plate wells that pre-coated using protein-related techniques are provided separately. Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells ,then added a HRP-conjugated antibody specific to Mouse E2 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 $450\text{nm} \pm 10\text{nm}$. The concentration of Mouse E2 in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Mouse

Range 25-1600 pg/mL

Concentration 1600 pg/mL

Note For research use only

Application notes standard: 1600 pg/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Mouse E2 antigen, and the Mouse E2 standard plate wells that pre-coated using protein-related techniques are provided separately. Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells ,then added a HRP-conjugated antibody specific to Mouse E2 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 $450\text{nm} \pm 10\text{nm}$. The concentration of Mouse E2 in the samples is then determined by comparing the OD of the samples to the standard curve

Sample Types Serum

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Assay Time	1.5h
Sensitivity	25 pg/mL
Expiration Date	Please enquire.

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