

## Product Datasheet

### Mouse Thyroxine (T4) ELISA Kit (orb1817324)

**Catalog Number** orb1817324

**Description** This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Mouse T4 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse T4. 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  $450\text{nm} \pm 10\text{nm}$ . The concentration of Mouse T4 in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity** Mouse

**Range** 4.69-300 ng/mL

**Concentration** 300 ng/mL

**Note** For research use only

**Application notes** standard: 300 ng/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 T4 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse T4. 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  $450\text{nm} \pm 10\text{nm}$ . The concentration of Mouse T4 in the samples is then determined by comparing the OD of the samples to the standard curve

**Sample Types** serum, plasma and other biological fluids

**Assay Time** 2.5h

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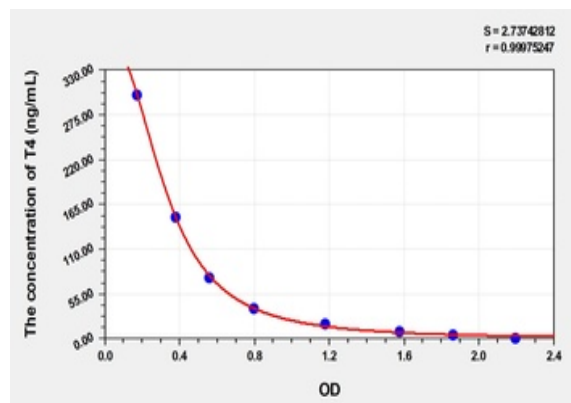
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**Sensitivity** 1.51 ng/mL

**Expiration Date** Please enquire.



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