

Product Datasheet

Rat Thyroxine (T4) ELISA Kit (orb782510)

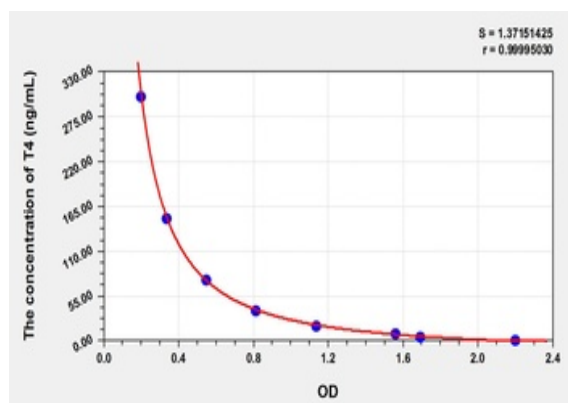
Catalog Number	orb782510
Category	Assays and Kits
Description	This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Thyroxine(T4) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Thyroxine(T4).
Reactivity	Rat
Concentration	300 ng/mL
Tested applications	ELISA
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 Rat T4 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat 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 450nm $\pm$ 10nm. The concentration of Rat T4 in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Competitive
Assay Time	2.5h
Range	4.69-300 ng/mL
Sensitivity	1.49 ng/mL
Sample Types	serum, plasma and other biological fluids
Note	For research use only

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