

Product Datasheet

Human Anti-Thyroid Stimulating Hormone Receptor Antibody (TSHRAb) ELISA Kit (orb1146792)

Catalog Number orb1146792

Category Assays and Kits

Description The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human TSHRAb. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human TSHRAb. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Human TSHRAb, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 Human TSHRAb in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Human

Concentration 100 mIU/mL

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Application notes

standard: 100 mIU/mL. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human TSHRAb. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human TSHRAb. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Human TSHRAb, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 ± 10nm. The concentration of Human TSHRAb in the samples is then determined by comparing the OD of the samples to the standard curve

Assay Type

Sandwich

Assay Time

3.5h

Range

1.57-100 mIU/mL

Sensitivity

0.82 mIU/mL

Sample Types

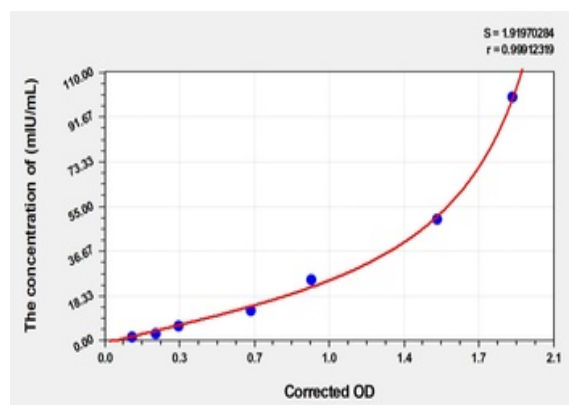
Serum, plasma and other biological fluids

Note

For research use only

Expiration Date

6 months from date of receipt.



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