

## **Product Datasheet**

## **Human Holotranscobalamin (Holo TC) ELISA Kit** (orb1736604)

**Catalog Number** orb1736604

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 Human Holo TC protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Holo TC. 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 ± 10nm. The concentration of Human Holo TC in the samples is then determined by

comparing the OD of the samples to the standard curve.

Reactivity Human

Concentration 10 ng/mL

**Application notes** standard: 10 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 Human Holo TC protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Holo TC. 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 Human Holo TC in the samples is then determined by comparing the OD of the

samples to the standard curve

**Assay Type** Competitive

**Assay Time** 2.5h

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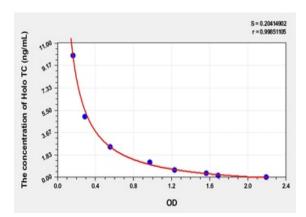
Range 0.16-10 ng/mL

**Sensitivity** 0.045 ng/mL

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

**Note** For research use only

**Expiration Date** Please enquire.



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