

Product Datasheet

Human Creatinine (CTN) ELISA Kit (orb2307970)

Catalog Number	orb2307970
Description	<p>This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Human CTN protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human CTN. 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 Human CTN in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Human
Range	3.13-200 $\mu\text{g/mL}$
Concentration	200 $\mu\text{g/mL}$
Note	For research use only
Application notes	<p>standard: 200 $\mu\text{g/mL}$. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Human CTN protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human CTN. 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 Human CTN in the samples is then determined by comparing the OD of the samples to the standard curve</p>
Sample Types	serum, plasma and other biological fluids
Assay Time	2.5h

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Sensitivity	1.42 µg/mL
Expiration Date	Please enquire.

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