

Product Datasheet

Rat Creatinine (CTN) ELISA Kit (orb1088215)

Catalog Number orb1088215

Description This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Rat CTN protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat 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 Rat CTN in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Rat

Range 3.13-200 $\mu\text{g/mL}$

Concentration 200 $\mu\text{g/mL}$

Note For research use only

Application notes 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 Rat CTN protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat 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 Rat CTN 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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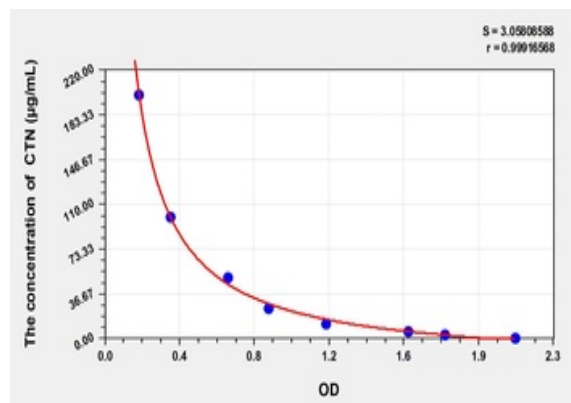
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Sensitivity 0.93 µg/mL

Expiration Date Please enquire.

**Biorbyt Ltd.**

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