

Product Datasheet

Cattle Troponin T Type 2, Cardiac (cTnT/TNNT2) ELISA Kit (orb2302991)

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 Cattle cTnT/TNNT2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle cTnT/TNNT2. 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 Cattle cTnT/TNNT2, 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 Cattle cTnT/TNNT2 in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity

Bovine

Range

78.13-5000 pg/mL

Concentration

5000 pg/mL

Note

For research use only

Application notes

standard: 5000 pg/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 Cattle cTnT/TNNT2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle cTnT/TNNT2. 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 Cattle cTnT/TNNT2, 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 Cattle cTnT/TNNT2 in the samples is then determined by comparing the OD of the samples to the standard curve

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Sample Types	Serum, plasma, tissue homogenates and other biological fluids
Assay Time	3.5h
Uniprot ID	P13789
Sensitivity	26.1 pg/mL
Expiration Date	Please enquire.

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