

Product Datasheet

Human Cardiac Troponin I (cTnI) EasyStep ELISA Kit (orb1950003)

Catalog Number orb1950003

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 cTnI, and the Human cTnI standard plate wells that pre-coated using protein-related techniques are provided separately. Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells ,then added a HRP-conjugated antibody specific to Human cTnI. After TMB substrate solution is added, only those wells that contain Human cTnI and HRP-conjugated antibody 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 \pm 10nm. The concentration of Human cTnI in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Human

Concentration 25 ng/mL

UniProt ID **P19429**

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Application notes

standard: 25 ng/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 cTnI, and the Human cTnI standard plate wells that pre-coated using protein-related techniques are provided separately. Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells, then added a HRP-conjugated antibody specific to Human cTnI. After TMB substrate solution is added, only those wells that contain Human cTnI and HRP-conjugated antibody 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 \pm 10nm. The concentration of Human cTnI in the samples is then determined by comparing the OD of the samples to the standard curve

Assay Type

Sandwich

Assay Time

1.5h

Range

0.39-25 ng/mL

Sensitivity

19.6 pg/mL

Sample Types

Serum, plasma

Note

For research use only

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