

Product Datasheet

Cattle Heat Shock 60kD Protein 1, Chaperonin (HSPD1) ELISA Kit (orb1950066)

Catalog Number orb1950066

Category Assays and Kits

Description The test principle applied in this kit is Sandwich enzyme immunoassay. The

the OD of the samples to the standard curve.

microtiter plate provided in this kit has been pre-coated with an antibody specific to Cattle HSPD1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle HSPD1. 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 HSPD1, 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 450nm \pm 10nm. The concentration of Cattle HSPD1 in the samples is then determined by comparing

Reactivity Bovine

Concentration 100 ng/mL

UniProt ID P31081

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Application notes

standard: 100 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 Cattle HSPD1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle HSPD1. 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 HSPD1, 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 450nm \pm 10nm. The concentration of Cattle HSPD1 in the samples is then determined by comparing the OD of the samples to the standard curve

Assay Type Sandwich

Assay Time 3.5h

Range 1.57-100 ng/mL

Sensitivity 0.72 ng/mL

Sample Types serum, plasma, tissue homogenates, cell lysates, cell culture supernates and

other biological fluids

Note For research use only

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