

Product Datasheet

Pig Cleavage of Type II Collagen (CIIC) ELISA Kit (orb1146918)

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 Cleavage of Type II Collagen(CIIC). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cleavage of Type II Collagen(CIIC). 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 Cleavage of Type II Collagen(CIIC), 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 Cleavage of Type II Collagen(CIIC) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity

Porcine

Range

31.25-2000 pg/mL

Concentration

2000 pg/mL

Note

For research use only

Application notes

standard: 2000 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 Pig CIIC. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Pig CIIC. 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 Pig CIIC, 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 Pig CIIC in the samples is then determined by comparing the OD of the samples to the standard curve

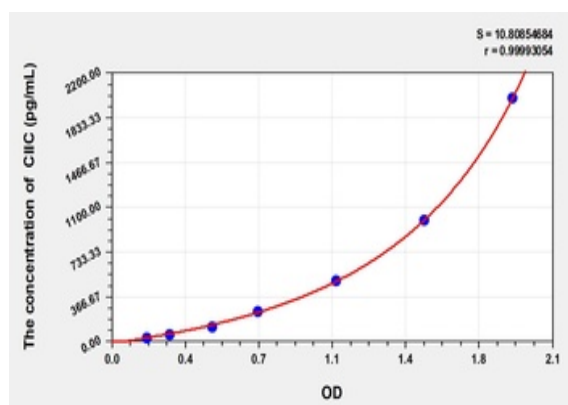
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Sample Types	tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Time	3.5h
Sensitivity	13.4 pg/mL
Expiration Date	Please enquire.

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