

Product Datasheet

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

Catalog Number	orb1146918
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 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 450nm ± 10nm. 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
Concentration	2000 pg/mL

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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 450nm ± 10nm. The concentration of Pig CIIC 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

31.25-2000 pg/mL

Sensitivity

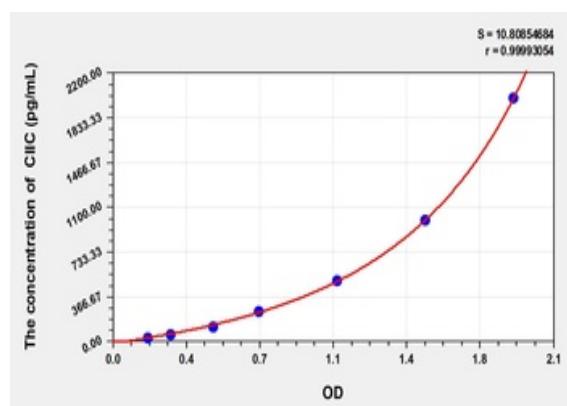
13.4 pg/mL

Sample Types

tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Note

For research use only

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