

## 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  $450\text{nm} \pm 10\text{nm}$ . 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

**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 ClIC. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Pig ClIC. 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 ClIC, 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 ClIC 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

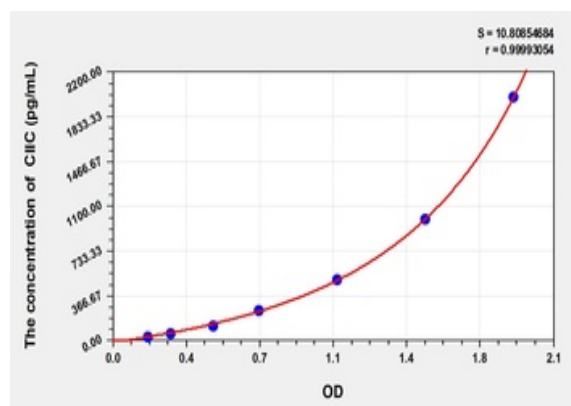
13.4 pg/mL

## Sample Types

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

## Note

For research use only



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