

Product Datasheet

Chicken Collagen Type X (COL10) ELISA Kit (orb1146896)

Catalog Number	orb1146896
Category	Assays and Kits
Description	<p>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 Collagen Type X(COL10). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Collagen Type X(COL10). 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 Collagen Type X(COL10), 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 Collagen Type X(COL10) in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Gallus
Concentration	20 ng/mL
UniProt ID	Q2LK95

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Application notes

standard: 20 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 Chicken COL10. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Chicken COL10. 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 Chicken COL10, 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 Chicken COL10 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

0.32-20 ng/mL

Sensitivity

0.113 ng/mL

Sample Types

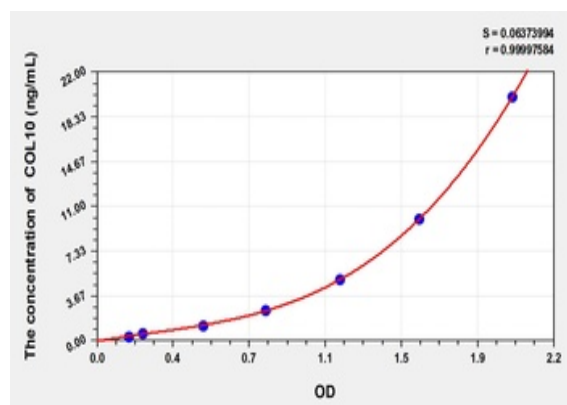
Serum, plasma, tissue homogenates and other biological fluids

Note

For research use only

Expiration Date

Please enquire.

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