

Product Datasheet

Chicken Collagen Type V (COL5) ELISA Kit (orb1146899)

Catalog Number orb1146899

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 Collagen Type V(COL5). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Collagen Type V(COL5). 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 V(COL5), 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 Collagen Type V(COL5) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Gallus

Concentration 200 ng/mL

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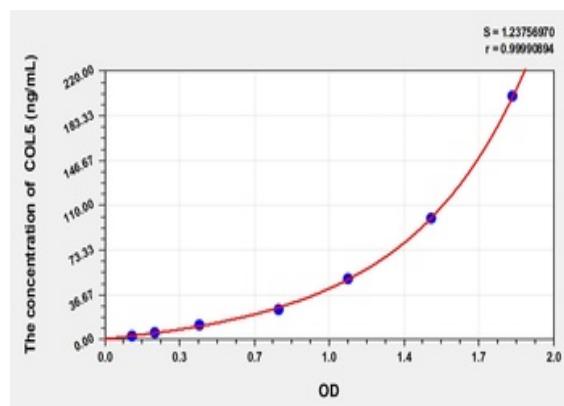
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Application notes

standard: 200 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 COL5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Chicken COL5. 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 COL5, 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 Chicken COL5 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** 3.13-200 ng/mL**Sensitivity** 1 ng/mL**Sample Types** Serum, plasma, tissue homogenates and other biological fluids**Note** For research use only**Biorbyt Ltd.**

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