

Product Datasheet

Human Degradation Product of Type-II Collagen (Coll2-1) ELISA Kit (orb2302995)

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 Human Coll2-1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Coll2-1. 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 Human Coll2-1, 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 Human Coll2-1 in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity

Human

Range

46.88-3000 pg/mL

Concentration

3000 pg/mL

Note

For research use only

Application notes

standard: 3000 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 Human Coll2-1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Coll2-1. 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 Human Coll2-1, 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 Human Coll2-1 in the samples is then determined by comparing the OD of the samples to the standard curve

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Sample Types	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Time	3.5h
Sensitivity	18.2 pg/mL
Expiration Date	Please enquire.

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