

Product Datasheet

Horse Collagen Type I (COL1) ELISA Kit (orb782051)

Catalog Number	orb782051
Category	Assays and Kits
Description	This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Collagen Type I(COL1) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Collagen Type I(COL1).
Reactivity	Equine
Concentration	1500 ng/mL
Tested applications	ELISA
Application notes	standard: 1500 ng/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Horse COL1 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Horse COL1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 Horse COL1 in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Competitive
Assay Time	2.5h
Range	23.44-1500 ng/mL
Sensitivity	7.29 ng/mL

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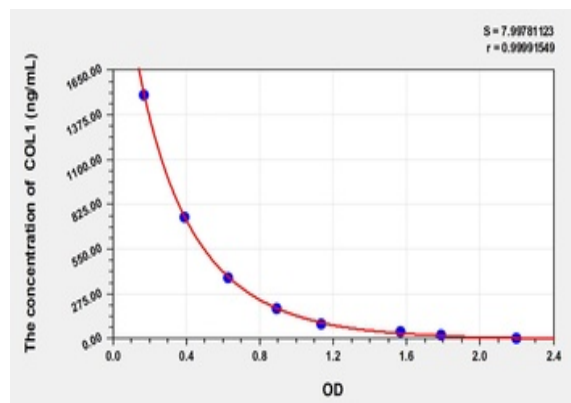
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Sample Types

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

Note

For research use only

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