

Product Datasheet

Rat Collagen Type II Alpha 1 (COL2a1) ELISA Kit (orb2667554)

Catalog Number	orb2667554
Category	Assays and Kits
Description	Rat Collagen Type II Alpha 1 (COL2a1) ELISA Kit
Reactivity	Rat
UniProt ID	P05539
Application notes	<p>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 Rat COL2a1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat COL2a1. 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 Rat COL2a1, 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 Rat COL2a1 in the samples is then determined by comparing the OD of the samples to the standard curve</p>
Assay Type	Sandwich
Assay Time	3.5h
Range	0.32-20 ng/mL
Sensitivity	0.12 ng/mL
Sample Types	Serum, plasma and other biological fluids.

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Note For research use only

Expiration Date 6 months from date of receipt.

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