

Product Datasheet

Mouse Collagen Type II Alpha 1 (COL2a1) ELISA Kit (orb782421)

Catalog Number	orb782421
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 II Alpha 1(COL2a1).
Reactivity	Mouse
Concentration	10 ng/mL
UniProt ID	P28481
Tested applications	ELISA
Application notes	standard: 10 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 Mouse COL2a1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse 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 Mouse 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 Mouse COL2a1 in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Sandwich
Assay Time	3.5h

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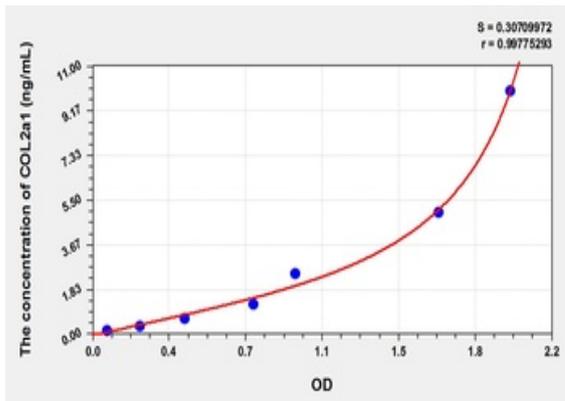
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Range	0.16-10 ng/mL
Sensitivity	0.059 ng/mL
Sample Types	Serum, plasma and other biological fluids.
Note	For research use only
Expiration Date	Please enquire.

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