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## Product Datasheet

### Rat COL1a2(Collagen Type I Alpha 2) Microsample ELISA Kit EBT-ELK1986MS

Article Name	Rat COL1a2(Collagen Type I Alpha 2) Microsample ELISA Kit
Biozol Catalog Number	EBT-ELK1986MS
Supplier Catalog Number	ELK1986MS
Alternative Catalog Number	EBT-ELK1986MS-96, EBT-ELK1986MS-48, EBT-ELK1986MS-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	100 ng/mL
Range	1.57-100 ng/mL
Sensitivity	0.63 ng/mL
UniProt	<a href="#">P02466</a>
Samples	serum, plasma, tissue homogenates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Metabolic pathway, Bone metabolism,. 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 COL1a2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat COL1a2. 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 COL1a2, 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 Rat COL1a2 in the samples is then determined by comparing the OD of the samples to the standard curve