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Product Datasheet

Human COL1A1(Pro-Collagen I alpha 1) Microsample ELISA Kit BYT-ORB2997355

Article Name	Human COL1A1(Pro-Collagen I alpha 1) Microsample ELISA Kit
Biozol Catalog Number	BYT-ORB2997355
Supplier Catalog Number	orb2997355
Alternative Catalog Number	BYT-ORB2997355-48,BYT-ORB2997355-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Human
Product Description	Human COL1A1(Pro-Collagen I alpha 1) Microsample ELISA Kit...
Range	39.07-2500 pg/mL
Sensitivity	16 pg/mL
Samples	serum, plasma and other biological fluids

Application Notes

Application Notes: 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 COL1A1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human COL1A1. 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 COL1A1, 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 Human COL1A1 in the samples is then determined by comparing the OD of the samples to the standard curve