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Product Datasheet

Human COL4a1(Collagen Type IV Alpha 1) Microsample ELISA Kit EBT-ELK2838MS

Article Name	Human COL4a1(Collagen Type IV Alpha 1) Microsample ELISA Kit
Biozol Catalog Number	EBT-ELK2838MS
Supplier Catalog Number	ELK2838MS
Alternative Catalog Number	EBT-ELK2838MS-96, EBT-ELK2838MS-48, EBT-ELK2838MS-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	300 ng/mL
Range	4.69-300 ng/mL
Sensitivity	1.8 ng/mL
UniProt	P02462
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Metabolic pathway,. 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 Human COL4a1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human COL4a1. 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 COL4a1, 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 COL4a1 in the samples is then determined by comparing the OD of the samples to the standard curve