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Product Datasheet

Mouse OC(Osteocalcin) ELISA Kit EBT-ELK11106

Article Name	Mouse OC(Osteocalcin) ELISA Kit
Biozol Catalog Number	EBT-ELK11106
Supplier Catalog Number	ELK11106
Alternative Catalog Number	EBT-ELK11106-96, EBT-ELK11106-48, EBT-ELK11106-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Mouse
Concentration	100 ng/mL
Range	1.57-100 ng/mL
Sensitivity	0.61 ng/mL
UniProt	P86546
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, Endocrinology, Hormone metabolism, 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 Mouse OC. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse OC. 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 OC, 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 Mouse OC in the samples is then determined by comparing the OD of the samples to the standard curve