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Product Datasheet

Mouse BMP4(Bone Morphogenetic Protein 4) ELISA Kit EBT-ELK10078

Article Name	Mouse BMP4(Bone Morphogenetic Protein 4) ELISA Kit
Biozol Catalog Number	EBT-ELK10078
Supplier Catalog Number	ELK10078
Alternative Catalog Number	EBT-ELK10078-96, EBT-ELK10078-48, EBT-ELK10078-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Mouse
Concentration	2000 pg/mL
Range	31.25-2000 pg/mL
Sensitivity	11.7 pg/mL
UniProt	P21275
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: Developmental science, 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 BMP4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse BMP4. 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 BMP4, 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 BMP4 in the samples is then determined by comparing the OD of the samples to the standard curve