

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Goat OC(Osteocalcin) ELISA Kit EBT-ELK0003

Article Name	Goat OC(Osteocalcin) ELISA Kit
Biozol Catalog Number	EBT-ELK0003
Supplier Catalog Number	ELK0003
Alternative Catalog Number	EBT-ELK0003-96, EBT-ELK0003-48, EBT-ELK0003-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Goat
Concentration	50 ng/mL
Range	0.78-50 ng/mL
Sensitivity	0.23 ng/mL
UniProt	<a href="#">P0C225</a>
Samples	serum, plasma, tissue homogenates 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 Goat OC. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Goat 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 Goat 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 Goat OC in the samples is then determined by comparing the OD of the samples to the standard curve