

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

Product Datasheet

Caffeine ELISA Kit EBT-ELK0683

| | |
|----------------------------|--|
| Article Name | Caffeine ELISA Kit |
| Biozol Catalog Number | EBT-ELK0683 |
| Supplier Catalog Number | ELK0683 |
| Alternative Catalog Number | EBT-ELK0683-96, EBT-ELK0683-48, EBT-ELK0683-96X5 |
| Manufacturer | ELK Biotechnology |
| Category | Kits/Assays |
| Species Reactivity | All |
| Concentration | 30 ng/mL |
| Range | 0.47-30 ng/mL |
| Sensitivity | 0.25 ng/mL |
| Samples | Serum, plasma, other biological fluids |

Application Notes

Assay Type: Competitive Inhibition. Assay length: 2.5h. Research Area: Signal transduction,. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Caffeine. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Caffeine. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 Caffeine in the samples is then determined by comparing the OD of the samples to the standard curve