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Product Datasheet

Human CRP(C Reactive Protein) ELISA Kit EBT-ELK1040

Article Name	Human CRP(C Reactive Protein) ELISA Kit
Biozol Catalog Number	EBT-ELK1040
Supplier Catalog Number	ELK1040
Alternative Catalog Number	EBT-ELK1040-96, EBT-ELK1040-48, EBT-ELK1040-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	4000 pg/mL
Range	62.5-4000 pg/mL
Sensitivity	26.2 pg/mL
UniProt	P02741
Samples	serum, plasma, tissue homogenates, cell lysates, urine, cerebrospinal fluid, cell culture supernates and other biological fluids

Application Notes

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