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Product Datasheet

Rat hs-CRP(High Sensitivity C Reactive Protein) Microsample ELISA Kit EBT-ELK10185MS

Article Name	Rat hs-CRP(High Sensitivity C Reactive Protein) Microsample ELISA Kit
Biozol Catalog Number	EBT-ELK10185MS
Supplier Catalog Number	ELK10185MS
Alternative Catalog Number	EBT-ELK10185MS-96, EBT-ELK10185MS-48, EBT-ELK10185MS-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	100 µg/mL
Range	1.56-100 µg/mL
Sensitivity	1.08 µg/mL
UniProt	P48199
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: 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 Rat hs-CRP. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat hs-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 Rat hs-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 Rat hs-CRP in the samples is then determined by comparing the OD of the samples to the standard curve