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Product Datasheet

Human HSP-70/HSPA9(HeatShock Protein 70) ELISA Kit EBT-ELK4514

Article Name	Human HSP-70/HSPA9(HeatShock Protein 70) ELISA Kit
Biozol Catalog Number	EBT-ELK4514
Supplier Catalog Number	ELK4514
Alternative Catalog Number	EBT-ELK4514-96, EBT-ELK4514-48, EBT-ELK4514-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	200 ng/mL
Range	3.13-200 ng/mL
Sensitivity	1.39 ng/mL
UniProt	P38646
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, Developmental science,. 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 HSP-70/HSPA9. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human HSP-70/HSPA9. 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 HSP-70/HSPA9, 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 HSP-70/HSPA9 in the samples is then determined by comparing the OD of the samples to the standard curve