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## Product Datasheet

### Human TNFa(Tumor Necrosis Factor Alpha) ELISA Kit EBT-ELK1190

Article Name	Human TNFa(Tumor Necrosis Factor Alpha) ELISA Kit
Biozol Catalog Number	EBT-ELK1190
Supplier Catalog Number	ELK1190
Alternative Catalog Number	EBT-ELK1190-96, EBT-ELK1190-48, EBT-ELK1190-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	1000 pg/mL
Range	15.63-1000 pg/mL
Sensitivity	6.4 pg/mL
UniProt	<a href="#">P01375</a>
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: Cytokine, Tumor immunity, Infection immunity,. 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 TNF $\alpha$ . Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human TNF $\alpha$ . 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 TNF $\alpha$ , 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  $\pm$  10nm. The concentration of Human TNF $\alpha$  in the samples is then determined by comparing the OD of the samples to the standard curve