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## Product Datasheet

### Human MAPK14(Mitogen Activated Protein Kinase 14) ELISA Kit EBT-ELK1804

Article Name	Human MAPK14(Mitogen Activated Protein Kinase 14) ELISA Kit
Biozol Catalog Number	EBT-ELK1804
Supplier Catalog Number	ELK1804
Alternative Catalog Number	EBT-ELK1804-96, EBT-ELK1804-48, EBT-ELK1804-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	100 ng/mL
Range	1.57-100 ng/mL
Sensitivity	0.51 ng/mL
UniProt	<a href="#">Q16539</a>
Samples	Tissue homogenates, cell lysates and other biological fluids.

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Signal transduction, Enzyme & Kinase, 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 MAPK14. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human MAPK14. 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 MAPK14, 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 MAPK14 in the samples is then determined by comparing the OD of the samples to the standard curve