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Product Datasheet

Human ERK1/2(Extracellular Signal Regulated Kinase 1/2) ELISA Kit EBT-ELK0372

Article Name	Human ERK1/2(Extracellular Signal Regulated Kinase 1/2) ELISA Kit
Biozol Catalog Number	EBT-ELK0372
Supplier Catalog Number	ELK0372
Alternative Catalog Number	EBT-ELK0372-96, EBT-ELK0372-48, EBT-ELK0372-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.12 ng/mL
Samples	tissue homogenates, cell lysates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Signal transduction, Enzyme & Kinase, Apoptosis, Tumor 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 ERK1/2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human ERK1/2. 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 ERK1/2, 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 ERK1/2 in the samples is then determined by comparing the OD of the samples to the standard curve