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## Product Datasheet

### Mouse IκBα(Inhibitory Subunit Of NF Kappa B Alpha) ELISA Kit EBT-ELK4340

Article Name	Mouse IκBα(Inhibitory Subunit Of NF Kappa B Alpha) ELISA Kit
Biozol Catalog Number	EBT-ELK4340
Supplier Catalog Number	ELK4340
Alternative Catalog Number	EBT-ELK4340-96, EBT-ELK4340-48, EBT-ELK4340-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Mouse
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.057 ng/mL
UniProt	<a href="#">Q9Z1E3</a>
Samples	Tissue homogenates, cell lysates and other biological fluids.

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Signal transduction, Tumor immunity, Hematology, 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 Mouse I $\kappa$ B $\alpha$ . Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse I $\kappa$ B $\alpha$ . 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 Mouse I $\kappa$ B $\alpha$ , 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 Mouse I $\kappa$ B $\alpha$  in the samples is then determined by comparing the OD of the samples to the standard curve