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Product Datasheet

Rat PIK3Ca(Phosphoinositide-3-Kinase Catalytic Alpha Polypeptide) ELISA Kit EBT-ELK9935

Article Name	Rat PIK3Ca(Phosphoinositide-3-Kinase Catalytic Alpha Polypeptide) ELISA Kit
Biozol Catalog Number	EBT-ELK9935
Supplier Catalog Number	ELK9935
Alternative Catalog Number	EBT-ELK9935-96, EBT-ELK9935-48, EBT-ELK9935-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	2000 pg/mL
Range	31.25-2000 pg/mL
Sensitivity	11.3 pg/mL
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: Enzyme & Kinase,. 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 Rat PIK3Ca. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat PIK3Ca. 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 Rat PIK3Ca, 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 Rat PIK3Ca in the samples is then determined by comparing the OD of the samples to the standard curve