

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Rat VEGF121(Vascular Endothelial Growth Factor 121) ELISA Kit EBT-ELK2969

Article Name	Rat VEGF121(Vascular Endothelial Growth Factor 121) ELISA Kit
Biozol Catalog Number	EBT-ELK2969
Supplier Catalog Number	ELK2969
Alternative Catalog Number	EBT-ELK2969-96, EBT-ELK2969-48, EBT-ELK2969-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	1000 pg/mL
Range	15.63-1000 pg/mL
Sensitivity	5.7 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: Cytokine,Signal transduction,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 Rat VEGF121. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat VEGF121. 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 VEGF121, 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 VEGF121 in the samples is then determined by comparing the OD of the samples to the standard curve