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Product Datasheet

Rat Melanin ELISA Kit EBT-ELK0492

Article Name	Rat Melanin ELISA Kit
Biozol Catalog Number	EBT-ELK0492
Supplier Catalog Number	ELK0492
Alternative Catalog Number	EBT-ELK0492-96, EBT-ELK0492-48, EBT-ELK0492-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	1000 pg/mL
Range	15.63-1000 pg/mL
Sensitivity	6 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, 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 melanin. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat melanin. 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 melanin, 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 melanin in the samples is then determined by comparing the OD of the samples to the standard curve