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Product Datasheet

Rat IgG1(Immunoglobulin G1) ELISA Kit EBT-ELK10114

Article Name	Rat IgG1(Immunoglobulin G1) ELISA Kit
Biozol Catalog Number	EBT-ELK10114
Supplier Catalog Number	ELK10114
Alternative Catalog Number	EBT-ELK10114-96, EBT-ELK10114-48, EBT-ELK10114-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	400 µg/mL
Range	6.25-400 µg/mL
Sensitivity	2.41 µg/mL
Samples	serum, plasma and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Immune molecule,. 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 IgG1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat IgG1. 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 IgG1, 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 IgG1 in the samples is then determined by comparing the OD of the samples to the standard curve