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## Product Datasheet

### Mouse IgG4(Immunoglobulin G4) ELISA Kit EBT-ELK0447

Article Name	Mouse IgG4(Immunoglobulin G4) ELISA Kit
Biozol Catalog Number	EBT-ELK0447
Supplier Catalog Number	ELK0447
Alternative Catalog Number	EBT-ELK0447-96, EBT-ELK0447-48, EBT-ELK0447-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Mouse
Concentration	500 ng/mL
Range	7.82-500 ng/mL
Sensitivity	3.2 ng/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: Infection immunity, 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 Mouse IgG4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse IgG4. 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 IgG4, 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 Mouse IgG4 in the samples is then determined by comparing the OD of the samples to the standard curve