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Product Datasheet

Human Anti-tTG IgG (Anti-Tissue Transglutaminase IgG) ELISA Kit EBT-ELK0751

Article Name	Human Anti-tTG IgG (Anti-Tissue Transglutaminase IgG) ELISA Kit
Biozol Catalog Number	EBT-ELK0751
Supplier Catalog Number	ELK0751
Alternative Catalog Number	EBT-ELK0751-96, EBT-ELK0751-48, EBT-ELK0751-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	100 ng/mL
Range	1.56-100 ng/mL
Sensitivity	0.6 ng/mL
Samples	Serum, plasma, tissue homogenates and other biological fluids.

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Enzyme & Kinase, Endocrinology, Neuro science, Autoimmunity,. 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 Human Anti-tTG IgG. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Anti-tTG IgG. 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 Human Anti-tTG IgG, 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 Human Anti-tTG IgG in the samples is then determined by comparing the OD of the samples to the standard curve