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Product Datasheet

Human PADI4(Peptidyl Arginine Deiminase Type IV) ELISA Kit EBT-ELK3904

Article Name	Human PADI4(Peptidyl Arginine Deiminase Type IV) ELISA Kit
Biozol Catalog Number	EBT-ELK3904
Supplier Catalog Number	ELK3904
Alternative Catalog Number	EBT-ELK3904-96, EBT-ELK3904-48, EBT-ELK3904-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.119 ng/mL
UniProt	Q9UM07
Samples	Serum, plasma, tissue homogenates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Enzyme & Kinase,. 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 PADI4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human PADI4. 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 PADI4, 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 PADI4 in the samples is then determined by comparing the OD of the samples to the standard curve