

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Human PIEZO-1(Piezo-type mechanosensitive ion channel component 1) ELISA Kit EBT-ELK0343

Article Name	Human PIEZO-1(Piezo-type mechanosensitive ion channel component 1) ELISA Kit
Biozol Catalog Number	EBT-ELK0343
Supplier Catalog Number	ELK0343
Alternative Catalog Number	EBT-ELK0343-96, EBT-ELK0343-48, EBT-ELK0343-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.049 ng/mL
UniProt	Q92508
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: Signal transduction,. 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 PIEZO-1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human PIEZO-1. 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 PIEZO-1, 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 PIEZO-1 in the samples is then determined by comparing the OD of the samples to the standard curve