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Product Datasheet

Mouse PIEZO-1(Piezo-Type mMechanosensitive ilon Channel Component 1) ELISA Kit EBT-ELK0282

Article Name	Mouse PIEZO-1(Piezo-Type mMechanosensitive ilon Channel Component 1) ELISA Kit
Biozol Catalog Number	EBT-ELK0282
Supplier Catalog Number	ELK0282
Alternative Catalog Number	EBT-ELK0282-96, EBT-ELK0282-48, EBT-ELK0282-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Mouse
Concentration	5000 pg/mL
Range	78.13-5000 pg/mL
Sensitivity	22.3 pg/mL
UniProt	E2JF22
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 Mouse PIEZO-1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse 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 Mouse 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 Mouse PIEZO-1 in the samples is then determined by comparing the OD of the samples to the standard curve