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Product Datasheet

Human CACNa1C(Calcium Channel, Voltage Dependent, L-Type, Alpha 1C Subunit) ELISA Kit EBT-ELK0012

Article Name	Human CACNa1C(Calcium Channel, Voltage Dependent, L-Type, Alpha 1C Subunit) ELISA Kit
Biozol Catalog Number	EBT-ELK0012
Supplier Catalog Number	ELK0012
Alternative Catalog Number	EBT-ELK0012-96, EBT-ELK0012-48, EBT-ELK0012-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.12 ng/mL
UniProt	Q13936
Samples	Tissue homogenates 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 CACNa1C. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human CACNa1C. 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 CACNa1C, 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 CACNa1C in the samples is then determined by comparing the OD of the samples to the standard curve