

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

Product Datasheet

Human CACNa1B(Calcium Channel, Voltage Dependent, N-Type, Alpha 1B Subunit) ELISA Kit EBT-ELK4780

Article Name	Human CACNa1B(Calcium Channel, Voltage Dependent, N-Type, Alpha 1B Subunit) ELISA Kit
Biozol Catalog Number	EBT-ELK4780
Supplier Catalog Number	ELK4780
Alternative Catalog Number	EBT-ELK4780-96, EBT-ELK4780-48, EBT-ELK4780-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.129 ng/mL
UniProt	Q00975
Samples	tissue homogenates, cell lysates 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 CACNa1B. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human CACNa1B. 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 CACNa1B, 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 CACNa1B in the samples is then determined by comparing the OD of the samples to the standard curve