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## Product Datasheet

### **Mouse CACNa1E(Calcium Channel, Voltage Dependent, R-Type, Alpha 1E Subunit) ELISA Kit EBT-ELK6875**

Article Name	Mouse CACNa1E(Calcium Channel, Voltage Dependent, R-Type, Alpha 1E Subunit) ELISA Kit
Biozol Catalog Number	EBT-ELK6875
Supplier Catalog Number	ELK6875
Alternative Catalog Number	EBT-ELK6875-96, EBT-ELK6875-48, EBT-ELK6875-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Mouse
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.129 ng/mL
UniProt	<a href="#">Q61290</a>
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 Mouse CACNa1E. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse CACNa1E. 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 CACNa1E, 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 CACNa1E in the samples is then determined by comparing the OD of the samples to the standard curve