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Product Datasheet

Mouse CACNa1S(Calcium Channel, Voltage Dependent, L-Type, Alpha 1S Subunit) ELISA Kit EBT-ELK6870

Article Name	Mouse CACNa1S(Calcium Channel, Voltage Dependent, L-Type, Alpha 1S Subunit) ELISA Kit
Biozol Catalog Number	EBT-ELK6870
Supplier Catalog Number	ELK6870
Alternative Catalog Number	EBT-ELK6870-96, EBT-ELK6870-48, EBT-ELK6870-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Mouse
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.101 ng/mL
UniProt	Q02789
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 Mouse CACNa1S. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse CACNa1S. 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 CACNa1S, 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 CACNa1S in the samples is then determined by comparing the OD of the samples to the standard curve