

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

## Product Datasheet

### Mouse CACNa1D(Calcium Channel, Voltage Dependent, L-Type, Alpha 1D Subunit) ELISA Kit EBT-ELK6872

|                            |   |
|----------------------------|---|
| Article Name               | Mouse CACNa1D(Calcium Channel, Voltage Dependent, L-Type, Alpha 1D Subunit) ELISA Kit |
| Biozol Catalog Number      | EBT-ELK6872   |
| Supplier Catalog Number    | ELK6872   |
| Alternative Catalog Number | EBT-ELK6872-96, EBT-ELK6872-48, EBT-ELK6872-96X5                                      |
| Manufacturer               | ELK Biotechnology   |
| Category                   | Kits/Assays   |
| Species Reactivity         | Mouse   |
| Concentration              | 20 ng/mL  |
| Range                      | 0.32-20 ng/mL   |
| Sensitivity                | 0.117 ng/mL   |
| UniProt                    | <a href="#">Q99246</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 CACNa1D. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse CACNa1D. 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 CACNa1D, 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 CACNa1D in the samples is then determined by comparing the OD of the samples to the standard curve