

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

## Product Datasheet

### Rat CHRNa1(Cholinergic Receptor, Nicotinic, Alpha 1) ELISA Kit EBT-ELK2053

Article Name	Rat CHRNa1(Cholinergic Receptor, Nicotinic, Alpha 1) ELISA Kit
Biozol Catalog Number	EBT-ELK2053
Supplier Catalog Number	ELK2053
Alternative Catalog Number	EBT-ELK2053-96, EBT-ELK2053-48, EBT-ELK2053-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.121 ng/mL
UniProt	<a href="#">P25108</a>
Samples	Tissue homogenates and other biological fluids.

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Signal transduction, Neuro science,. 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 Rat CHRNa1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat CHRNa1. 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 Rat CHRNa1, 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 Rat CHRNa1 in the samples is then determined by comparing the OD of the samples to the standard curve