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Product Datasheet

Rat AQP4(Aquaporin 4) ELISA Kit EBT-ELK10279

Article Name	Rat AQP4(Aquaporin 4) ELISA Kit
Biozol Catalog Number	EBT-ELK10279
Supplier Catalog Number	ELK10279
Alternative Catalog Number	EBT-ELK10279-96, EBT-ELK10279-48, EBT-ELK10279-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	100 ng/mL
Range	1.57-100 ng/mL
Sensitivity	0.44 ng/mL
UniProt	P47863
Samples	tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Signal transduction, Metabolic pathway, Infection immunity, 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 AQP4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat AQP4. 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 AQP4, 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 AQP4 in the samples is then determined by comparing the OD of the samples to the standard curve