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Product Datasheet

Rat TRPV4(Transient Receptor Potential Cation Channel Subfamily V, Member 4) ELISA Kit EBT-ELK0818

Article Name	Rat TRPV4(Transient Receptor Potential Cation Channel Subfamily V, Member 4) ELISA Kit
Biozol Catalog Number	EBT-ELK0818
Supplier Catalog Number	ELK0818
Alternative Catalog Number	EBT-ELK0818-96, EBT-ELK0818-48, EBT-ELK0818-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	3000 pg/mL
Range	46.88-3000 pg/mL
Sensitivity	18.35 pg/mL
UniProt	Q9ERZ8
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 Rat TRPV4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat TRPV4. 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 TRPV4, 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 TRPV4 in the samples is then determined by comparing the OD of the samples to the standard curve
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