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Product Datasheet

Rat SPHK1(Sphingosine Kinase 1) ELISA Kit EBT-ELK0507

Article Name	Rat SPHK1(Sphingosine Kinase 1) ELISA Kit
Biozol Catalog Number	EBT-ELK0507
Supplier Catalog Number	ELK0507
Alternative Catalog Number	EBT-ELK0507-96, EBT-ELK0507-48, EBT-ELK0507-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	2000 pg/mL
Range	31.25-2000 pg/mL
Sensitivity	13.6 pg/mL
UniProt	Q91V26
Samples	tissue homogenates, cell lysates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Enzyme & Kinase,. 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 SPHK1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat SPHK1. 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 SPHK1, 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 SPHK1 in the samples is then determined by comparing the OD of the samples to the standard curve