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Product Datasheet

Rat Smad1(Mothers Against Decapentaplegic Homolog 1) ELISA Kit EBT-ELK0074

Article Name	Rat Smad1(Mothers Against Decapentaplegic Homolog 1) ELISA Kit
Biozol Catalog Number	EBT-ELK0074
Supplier Catalog Number	ELK0074
Alternative Catalog Number	EBT-ELK0074-96, EBT-ELK0074-48, EBT-ELK0074-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.132 ng/mL
UniProt	P97588
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Developmental 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 Smad1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat Smad1. 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 Smad1, 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 Smad1 in the samples is then determined by comparing the OD of the samples to the standard curve