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Product Datasheet

Rat TGFb1(Transforming Growth Factor Beta 1) Microsample ELISA Kit EBT-ELK2311MS

Article Name	Rat TGFb1(Transforming Growth Factor Beta 1) Microsample ELISA Kit
Biozol Catalog Number	EBT-ELK2311MS
Supplier Catalog Number	ELK2311MS
Alternative Catalog Number	EBT-ELK2311MS-96, EBT-ELK2311MS-48, EBT-ELK2311MS-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	1000 pg/mL
Range	15.63-1000 pg/mL
Sensitivity	6.1 pg/mL
UniProt	P17246
Samples	serum, platelet-poor plasma, tissue homogenates, cell culture supernates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Cytokine, Tumor immunity, Infection immunity,. 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 TGFb1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat TGFb1. 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 TGFb1, 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 TGFb1 in the samples is then determined by comparing the OD of the samples to the standard curve