

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Rat HMGB-1(High Mobility Group Protein B1) ELISA Kit EBT-ELK10272

Article Name	Rat HMGB-1(High Mobility Group Protein B1) ELISA Kit
Biozol Catalog Number	EBT-ELK10272
Supplier Catalog Number	ELK10272
Alternative Catalog Number	EBT-ELK10272-96, EBT-ELK10272-48, EBT-ELK10272-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.067 ng/mL
UniProt	P63159
Samples	serum, plasma, tissue homogenates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: 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 HMGB-1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat HMGB-1. 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 HMGB-1, 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 HMGB-1 in the samples is then determined by comparing the OD of the samples to the standard curve